

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☒

2. NAME OF OPERATOR

MAPCO Production Company
Alpine Executive Center

3. ADDRESS OF OPERATOR

1643 Lewis Ave., Suite 202
Billings, MT 59102

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface 501' FWL & ~~1041' FNL~~, Sec. 30, T9S, R19E

At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

21 miles SE of Myton

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any) 501'

16. NO. OF ACRES IN LEASE

640

17. NO. OF ACRES ASSIGNED

320

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

2700'

19. PROPOSED DEPTH

5450'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

4815' Ungraded GL

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#/ft, H-40	400'	Cmt to surface
7-7/8"	5-1/2"	14#/ft, K-55	5450'	Cmt to surface

1. Drill a 12-1/4" hole with an air rig to 400'. Run 8-5/8" H-40 casing and cement to surface.
2. NU and pressure test BOP stack prior to drilling out below surface pipe.
3. Test pipe rams daily and blind rams as possible.
4. Drill a 7-7/8" hole to 5450' with a fresh water mud system. No cores are planned. DST's will be run as needed to evaluate unexpected shows.
5. Run logs. Set 5-1/2", 14#, K-55 casing. Casing program may be modified to provide added burst strength if needed for frac program.
6. Primary zone of interest is the Green River section.
7. All zones indicating potential for economically recoverable oil and gas will be tested in a normal, prudent manner.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Richard Baumann
Richard Baumann

TITLE Engineering Technician

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

5. LEASE DESIGNATION AND SERIAL NO.

U-37246-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.

Federal 430B

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M. OR BLM.

Sec. 30, T9S, R19E

12. COUNTY OR PARISH

Utah

13. STATE

Utah

APPROVED BY THE DIVISION
OF OIL GAS AND MINING
DATE 6-22-80
BY: [Signature]RECEIVED
MAY 12 1980
DIVISION OF
OIL GAS AND MINING

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

FORMATION LOG TOPS:

Uintah
Green River
Wasatch
Surface
1687'
5347'

1. Drill a 12-1/4" hole with an air rig to 400'. Run 8-5/8" casing to surface.
2. Run and pressure test 809 stack prior to drilling out below.
3. Test pipe runs daily and blind runs as possible.
4. Drill a 7-7/8" hole to 5450' with a fresh water mud system.
5. DST's will be run as needed to evaluate unexpected shows.
6. Run logs. Set 5-1/2" 14K K-55 casing. Casing program may be added burst strength if needed for frac program.
7. Primary zone of interest is the Green River section.
8. All zones indicating potential for economically recoverable tested in a normal, prudent manner.

U.S. GOVERNMENT PRINTING OFFICE: 1963-O-711-396
839-171

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
12-1/4"	8-5/8"	24#/ft. H-40	400'
7-7/8"	5-1/2"	14#/ft. K-55	5450'

4015' Undrilled GL

ON APPLICABLE FOR THIS LEASE, EX.	TO NEAREST WELL DRILLING, COMPLETED.	19. DISTANCE FROM PROPOSED LOCATION.	20. DISTANCE FROM PROPOSED LOCATION.	21. DISTANCE FROM PROPOSED LOCATION.
5700'	501'	5450'	640'	16. NO. OF ACRES IN LEASE

21 miles SE of Myton

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE

At proposed production zone

201' FWL & 104' FWL Sec. 30, T2S, R12E

Billings, MT 59102

1643 Lewis Ave., Suite 101

Alpine Executive Center

MARCO Production Company

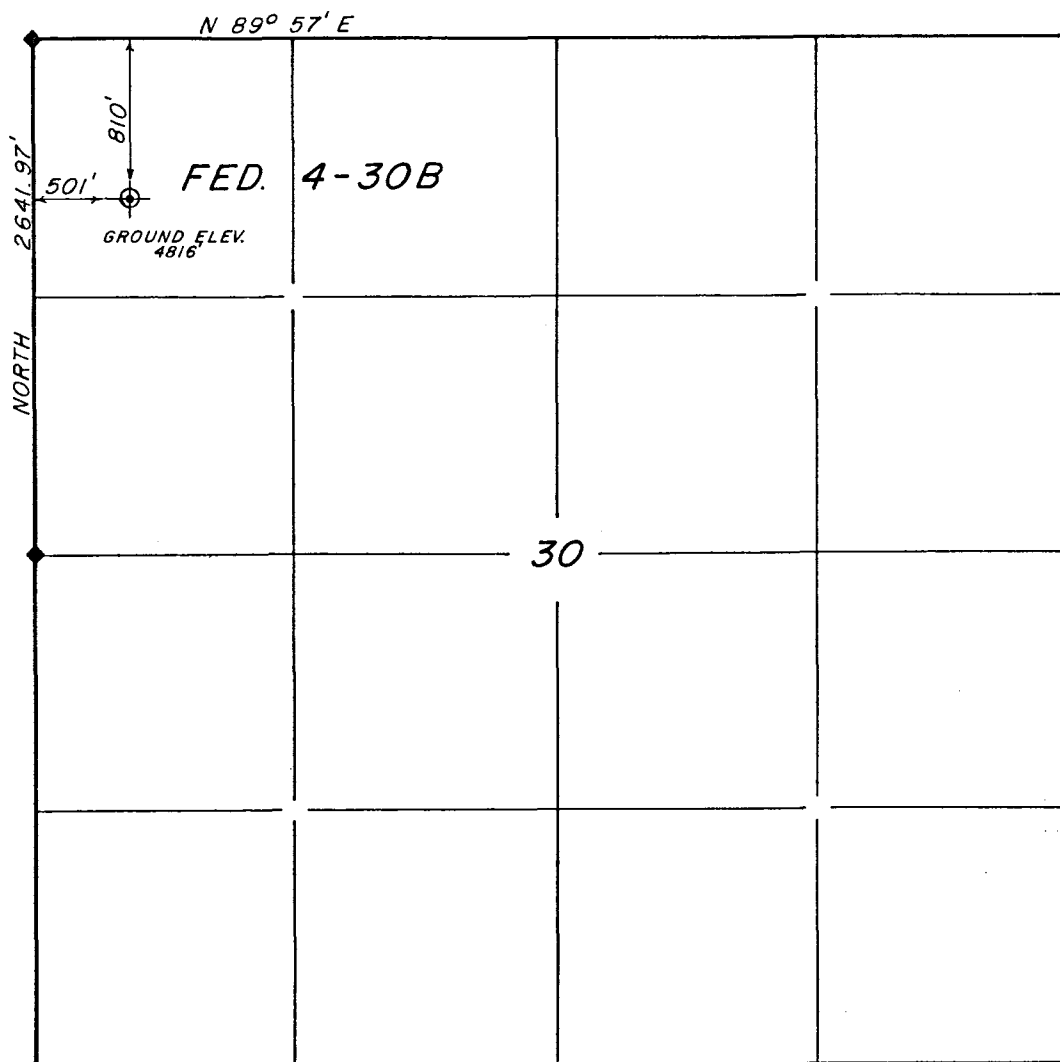
Drill X

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR BACK

DEPARTMENT OF THE INTERIOR
UNITED STATES
GEOLOGICAL SURVEY

MAPCO, INC.
WELL LOCATION
FEDERAL 4-30B

Locate on the NW $\frac{1}{4}$ of the NW $\frac{1}{4}$ of
 Section 30, T9S, R19E, S. L. B. & M.



SCALE: 1"=1000'

LEGEND & NOTES

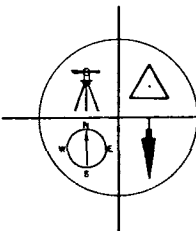
- ◆ Found brass cap on pipe monuments
 used for this survey.

The General Land Office Plat was
 used for reference and calculations.

SURVEYOR'S CERTIFICATE

I hereby certify that this plat was prepared
 from field notes of an actual survey
 performed by me, during which the shown
 monuments were found or established.

Jerry D. Allred
 Jerry D. Allred, Registered Land
 Surveyor, Cert. NO. 3817 (Utah)



JERRY D. ALLRED & ASSOCIATES
 Surveying & Engineering Consultants

121 North Center Street
 P.O. Drawer C
 DUCHESNE, UTAH 84021
 (801) 738-5352

MULTI-POINT REQUIREMENTS TO ACCOMPANY APD

Attached to Form 9-331C

COMPANY: MAPCO PRODUCTION COMPANY

WELL: Federal 4-30B

WELL LOCATION: 501' FWL & 1044' FNL

Section 30, T9S, R19E

County: Uintah

State: Utah

1. Existing Roads

- A. The proposed well site and elevation plat is shown as Exhibit A.
- B. Location is
as shown in Exhibit B.
- C. An access road of about 2000' will be needed to reach
the location from the existing road as shown in Exhibit B.
- D. All existing roads are shown on Exhibit B.
- E. There is no anticipated construction on any existing roads.

2. Planned Access Roads

- 1. Width: Maximum of 30' right-of-way with road bed being approximately
16'-18', and remainder of right-of-way to be used for borrow
ditches.
- 2. Maximum grade: 8%
- 3. Turnouts: None
- 4. Drainage design: Drain ditches along either side of the road, where
necessary for drainage with material from borrow
ditch used to build crown of road. As per meeting
with BLM, BIA & USGS on May 3, 1979. No speed curves
on hills.
- 5. Culverts: None
- 6. Surface materials: Native dirt.
- 7. Gates, cattleguards, fence cuts: None

3. Location of Existing Wells

All existing wells known in the area are shown directly on Exhibit B within the one-mile radius.

1. Water wells: None
2. Abandoned wells: None
3. Temporarily abandoned wells: None
4. Disposal wells: None
5. Drilling wells: None
6. Producing wells: None
7. Shut-in wells: One - Fed 7-25A - Waiting on Completion
8. Injection wells: None
9. Monitoring or observation wells: None

4. Location of Existing and/or Proposed Facilities

A. The location of existing and/or proposed facilities, if any, owned or controlled by lessee/operator within the 1-mile radius will be shown on Exhibit B.

1. Tank batteries: None
2. Production facilities: See exhibit C
3. Oil gathering lines: None
4. Gas gathering lines: None

5. Injection Lines: None
6. Disposal Lines: None

B. It is contemplated that, in the event of production, all new facilities will be easily accommodated on the drill pad on the solid base of cut and not placed on the fill areas.

1. No flagging then will be needed.

2. The dimensions of the production facilities and the location of facilities is drafted on Exhibit C. If production is obtained, then the unused areas will be restored as later described.
3. Concrete as needed and any gravels needed will be purchased from private sources.
4. All pits will be fenced to minimize any hazard to sheep, cattle, antelope and other animals that graze the area. Flagging material will be used as needed, if water or other fluid is produced.
- C. Rehabilitaion, whether the well is productive or dry, will be accomplished as soon as possible in those areas already described, and in accordance with Item 10 following.

5. Water Supply

Water source is shown on Exhibit D.

- A. Water to be used for drilling will be hauled by truck from Pariette Draw, which is located in the SW/4, Sec. 35, T9S, R18E.
- B. No pipelines are anticipated. Hauling will be on the road(s) shown in Exhibit D.
- C. No water well is anticipated to be drilled at this time.

6. Source of Construction Materials

- A. No construction material, insofar as drilling, will be needed.
- B. No construction materials will be obtained from Federal or Indian land.
- C. The native materials that will be used in the construction of this location site and access road will consist of sandy-clay soils and sandstone and shale materials gathered in actual construction of the road and location.
- D. Access roads crossing federal lands are shown under Item 2.

7. Handling Waste Disposals

1. Drill cuttings will be buried in the reserve pit when covered.
2. Drilling fluids will be handled in the reserve pit.
3. Any produced fluids during drilling tests or while making production tests will be collected in reserve pit.

4. Any sewage will be covered or removed and chemical toilets will be provided.
5. Garbage and other waste material will be enclosed in a wire mesh container, and then disposed of in an approved waste disposal facility.
6. After the rig moves out, all materials will be cleaned up and no adverse materials will be left on location. Any dangerous open pit will be fenced or covered.

8. Ancillary Facilities

No proposed airstrip, camp, or other facility will be constructed during the drilling or completion of this well.

9. Well Site Layout

1. Exhibit E is the drill pad layout on a scale of 1" = 40'.
2. & 3. Exhibit E is a layout of the drilling rig, pits, and burn pits. Parking and trailers will be along the SW side of the area as shown. The access road will be from the South. Soil stockpiles are also shown on Exhibit E.
4. The reserve pit will not be lined. Steel mud pits may be used, at least in part, during drilling operations.

10. Plans for Restoration

1. Backfilling, leveling and gentle sloping is planned and will be accomplished as soon as possible after plugging or setting of production casing. Waste disposal and spoils materials will be buried or hauled away immediately after operations cease from drilling and/or completion.
2. The soil banked materials will be spread over the area and gentle sloping or contouring to meet the existing terrain. Revegetation will be by planting of native vegetation to the area or some other combination as recommended by The Bureau of Land Management.

The access road to the drill pad will be revegetated, if needed. Any damage to present existing roads will be repaired as needed.

3. Prior to rig release, the pits will be fenced on the fourth side and so maintained until cleanup is accomplished. The reserve pit will have fencing on three sides during drilling.

4. If any oil is on the pits, and is not immediately removed after operations cease, then the pit will be flagged overhead to keep birds and fowl out.
5. The commencement of rehabilitation operations will begin as soon as possible after drilling ceases. Planting will be planned as suggested by BLM.

11. Other Information

1. Topography: The location is located on a flat area with low ridges to the West & South with brush and grass cover.

Soil Characteristics and Geologic features: The soils of this semi-arid area are of the Uinta and Duchesne River formation (The Fluvial Sandstone & Mudstone) from the Eocene Epoch and Quaternary Epoch (gravel surfaces) and the visible geologic structures consists of light brownish-gray clays (OL) to sandy soils (SM-ML) with poorly graded gravels and shales with out crops of rock (sandstone, mudstone, conglomerates and shales).

Flora: Areas of sagebrush, rabbitbrush, some grasses and cacti, and large areas of bare soils devoid of any growth.

Fauna: Is sparse but consists predominantly of the mule deer, coyotes, pronghorn antelope, rabbits, and varieties of small ground squirrels and other types of rodents, and various reptiles common to the area. Birds of the area are raptors, finches, ground sparrows, mag pies, crows and jays.

2. Type of surface use activity: Primary purpose is grazing domestic livestock.

Surface ownership of all involved lands: BLM

3. Proximity of usable water (Shown on Exhibit D)

Occupied dwellings (if any, shown on Exhibit B): None

Archaeological or historical sites (if any, shown on Exhibit B):
An archeological study has been conducted by A.E.R.C. of Bountiful, Utah, and no archaeological or historical sites were found.

Oil and Gas Drilling

EA #429-80

United States Department of the Interior
Geological Survey
2000 Administration Bldg.
1745 West 1700 South
Salt Lake City, Utah 84104

Usual Environmental Analysis

Date: June 25 1980

Operator Mapco Production Company Project or Well Name and No. 4-30B
Location 501' FWL & 810' FNL Sec.: 30 T. 9S R.. 19E
County Uintah State Utah Field/Unit Wildcat
Lease No. U-37246-A Permit No.. N/A

Joint Field Inspection Date: June 2, 1980

Prepared By Grey Darlington

Field Inspection Participants, Titles and Organizations.

Grey ⁹ Darlington	USGS Vernal
Gary Slagel	BLM Vernal
Larry England	BLM Vernal
Darwin Kulland	Mapco Produciton Company

Related Environmental Analyses and References:

(1) Unit Resource Analysis, Duchesne Planning Unit (08-06), BLM, Vernal.

rk/6/25/80

6
1-3

Admission Control
810' x 30' new access
2200' x 33 1/2' ac
Hence 11.5 ac
→ 2025

DISCRIPTION OF PROPOSED ACTION

Proposed Action:

1. Location State: Utah

County: Uintah

810' FNL 501' FWL NW 1/4 NW 1/4

Section 30, T 9S, R 19E, SLM.

2. Surface Ownership Location: Public

Access Road: Public

Status of
Reclamation Agreements. Generally adequate for the APD. The BLM will
be consulted regarding any reclamation activities required at this
location.

3. Dates APD Filed: May 12 1980.

APD Technically Complete: June 2, 1980.

APD Administratively Complete: Aug 21, 1980.

4. Project Time Frame

Starting Date. upon approval.

Duration of Drilling activities: 15 days.

A period of 30 to 60 days is normally necessary to complete a well for
production if hydrocarbons are discovered. If a dry hole is drilled,
recontouring and reseeding would normally occur within one year,
revegetation or restoration may take several years. If the well is
a producer, an indefinite period of time would occur between completion
and rehabilitation.

5. Related actions of other federal or state agencies and Indian tribes.

None known.

6. Nearby pending actions which may affect or be affected by the proposed
action: None known.

7. Status of Variance Requests. nonw known

The following elements of the proposed action would/could result in environ-
mental impacts:

1. A drill pad 190' wide x 400' long and a reserve pit 150' x 175' would be constructed. Approximately 2200 feet of new access road, averaging 18' driving surface, would be constructed and from a maintained road. 3.3 acres of disturbed surface would be associated with the project. Maximum disturbed width of access road would be limited to 30'.
2. Drilling would be to a proposed depth of 5450 feet.
3. Waste disposal
4. Traffic
5. Water requirements
6. Completion
7. Production
8. Transportation of hydrocarbons
9. Other

Details of the proposed action are described in the Application for Permit to Drill.

The location was moved for spacing requirements. The lease plat showed a definite conflict with the state spacing 500 foot from a lease line rule. Mapco however controls the adjoining lease. In any case Mapco requested at the onsite with a suitable survey having already been done and the staking changed that the location be moved 234 feet north of the called for in the original APD.

The access road was changed to adjust for the change in location. The site had been restaked by Mapco prior to the onsite and the new road was suitably flagged. The new road would merely extend about 240 feet further north for the new location.

Environmental Considerations of the Proposed Action:

Regional Setting/Topography: The location is an open flat surrounded by small hills with some rocky outcrops located to the south of this location.

PARAMETER

A. Geology

1. Other Local Mineral Resources to be Protected: The land is subject to oil shale considerations. The Mahogany zone will be encountered at about 2200 feet depth.

Information Source: Mineral Evaluation Report.

2. Hazards.

- a. Land Stability Apparently suitable for this proposed project.

Information source: Field Observation

- b. Subsidence. Not likely to be a significant problem at this location.

Information Source Field Observation

- c. Seismicity: The location is in an area of minor seismic risk.

Information Source Geologic Atlas of the Rocky Mountain Region, 1972, "Earthquakes of Record and Interpreted seismicity 1852-1969 " Rocky Mountain Associates of Geologist.

- d. High Pressure Zones/Blowout Prevention: No abnormal pressures or temperatures are anticipated. BOP equipment is described in the APD.

Information Source: APD

B. Soils.

1. Soil Character: The soil is a sandy clay with poorly graded gravels and shales.

Information Source: APD

2. Erosion/Sedimentation: This is not likely to have a significant impact beyond the applied for area of disturbance. Stable soils and low rainfall in this desert area will minimize erosion in the disturbed area.

Information Source. Field Observation

- C. Air Quality: Likely to be temporarily impacted during construction and drilling activities.

Information Source Field Observation

- D. Noise Levels: Likely to be temporarily impacted during construction and drilling activities.

Information Source: Field Observation

E. Water Resources

1. Hydrologic Character

- a. Surface Waters: Drainage from the location is nonperrennial to the Green River about 2 miles east of the location.

Information Source: APD

b. Ground Waters Fresh water may be encountered in the Uintah and Green River Formations to about 3500 feet.

Information Source Mineral Evaluation Report

2. Water Quality

a. Surface Waters The potential for contamination of surface water while present is limited by the fairly stable soils of this area. Good pit construction will further the limit the potential for impacts to surface water quality.

Information Source: Field Observation

b. Ground Waters The APD describes a casing program which should suitably prevent the commingling of drilling fluids with potentially useable groundwaters.

Information Source. APD

F. Flora and Fauna

1. Endangered and Threatened Species Determination

Based on the BLM comments received from Vernal District BLM on June 5, 1980, we determine that there would be no effect on endangered and threatened species and their critical habitat.

2. Flora: Consists of sagebrush, rabbitbrush, cacti, and native grasses.

Information Source Field Observation

3. Fauna: Male deer, coyotes, pronghorn antelope, rabbits, small rodents, small reptiles, and various birds such as raptors, finches, ground sparrows, magpies, cows, and jays.

Information Source: APD

G. Land Uses

1. General: Grazing of livestock and sheep and the land is close to other oil and gas developments.

Information Source: APD and field Observation.

2. Affected Floodplains and/or Wetlands: None

Information Source: Field Observation

3. Roadless/Wilderness Area: Not Applicable

Information Sources: BLM Utah Wilderness Inventory Map August 1979.

H. Aesthetics: There would be a minor impact to aesthetics. The area is remote and seldom visited for recreational purposes other than river runners traveling nearby roads. The location should not require very extensive dirt work to prepare.

Information Source: Field Observation

I. Socioeconomics: The impact of one well would not be very important. If successful this well may have an impact on the future drilling program of Mapco and other operators in the area which would head to some further development in this area.

Information Source: G. Darlington, Environmental Scientist, USGS.

J. Cultural Resources Determination: Based on the BLM comments received from Vernal District BLM on June 5, 1980, we determine that there would be no effect on cultural resources subject to the statement that BLM has received suitable archaeological reports concerning the location and access.

Information Source: BLM stipulations letter.

K. Adequacy of Restoration Plans: Generally adequate. The BLM will be consulted when the time comes to begin restoration and reclamation activities.

Information Source: APD and BLM stipulations letter.

Alternatives to the Proposed Action:

1. Disapproving the proposed action or no action - If the proposed action is denied, no action would occur, the existing environment would remain in its present state, the lessee/operator would not realize any return on investments and the public would be denied a potential energy source.

2. Approving the project with the recommended stipulations - Under federal oil and gas leasing provisions, the Geological Survey has a responsibility to approve mineral development if the environmental consequences are not too severe or irreversible. Permanent damage to the surface and subsurface would be prevented as much as possible under USGS and Surface Management Agency supervision. Environmental impacts would be significantly mitigated.

Adverse Environmental Effects:

1. If approved as proposed:

- a. About 3.3 acres of vegetation would be removed, increasing and accelerating erosion potential.
- b. Pollution of groundwater systems ^{could} would occur with the introduction of drilling fluids into the aquifer(s). The potential for interaquifer leakage and lost circulation is ever-present, depending on the casing program.
- c. Minor air pollution would be induced on a temporary basis due to exhaust emissions from rig engines and support traffic.
- d. The potential for fires, leaks, spills of gas and oil or water exists.
- e. During construction and drilling phases of the operation, noise and dust levels would increase.
- f. Distractions from aesthetics during the lifetime of the project would exist.
- g. Erosion from the site would eventually be carried as sediment in the Green River. The potential for pollution to Green River would exist through leaks and spills.
- h. If hydrocarbons would be discovered and produced, further development of the area could be expected to occur, which would result in the extraction of irreplaceable resource, and further negative environmental impacts. These impacts include the cumulative loss of wildlife habitat due to the areas necessary for roads, pipelines, drillsites, and transmission lines. These actions may disrupt wildlife social behavior and force habitat relocation over an extended period of time. In addition, the cumulative effects of non-point erosion become substantial in a developing field, primarily those located near perennial streams where siltation and sedimentation are critical to aquatic life cycles.

2. Conditional Approval:

- a. All adverse impacts described in section one above would occur.

Recommended Approval Conditions:

Drilling should be allowed, provided the following mitigative measures are incorporated into the proposed APD and adhered to by the operator:

1. See attached BLM Stipulations. *None*
2. Note Ray Brady's comments from the Oil Shale Office concerning the casing program.
3. See the mining report for possibly requested logging records.

Controversial Issues and Conservation Division Response:

None are evident at present.

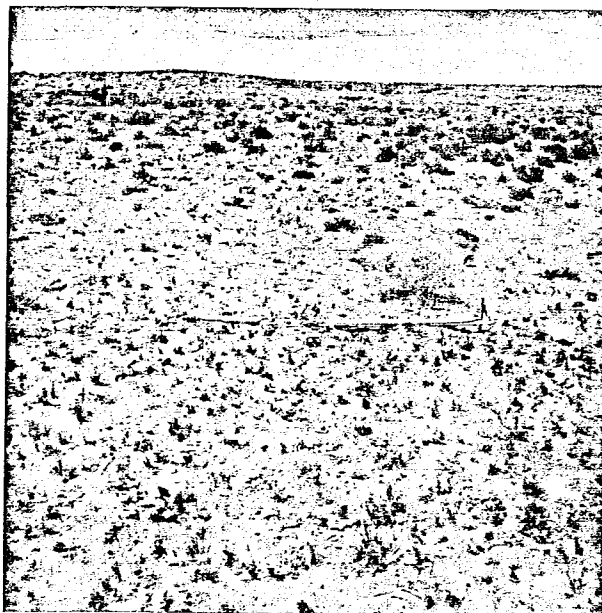
We have considered the proposed action in the preceding pages of this EA and find, based on the analysis of environmental considerations provided therein, no evidence to indicate that it will significantly (40 CFR 1508.27) impact the quality of the human environment.

Determination:

I determine that the proposed action (as modified by the recommended approval conditions) does not constitute a major Federal action significantly affecting the quality of the human environment in the sense of NEPA, Section 102 (2)(C).

 DISTRICT ENGINEER
Signature & Title of Approving Official

JUN 30 1980
Date



North View of 4-30 B
Mapco

6/2



United States Department of the Interior

IN REPLY REFER TO

T & R
(U-801)

BUREAU OF LAND MANAGEMENT

VERNAL DISTRICT OFFICE
170 South 500 East
Vernal, Utah 84078



June 3, 1980

Mr. Ed Guynn, District Engineer
USGS, Conservation Division
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

Re: MAPCO Production Company
Well #5-12D T10S, R18E, Sec. 12
✓ Well #4-30B T9S, R19E, Sec. 30
Well #1-26A T9S, R18E, Sec. 26

Dear Mr. Guynn:

A joint field examination with personnel from the BLM, USGS, and MAPCO Production Company, was made on June 2, 1980 of the above referenced well site locations and their access roads. We feel that the surface use and operating plans are adequate with the following stipulations:

1. Construction and maintenance of roads and rehabilitation of disturbed areas shall be in accordance with surface use standards as set forth in the brochure, "Surface Operating Standards for Oil and Gas Exploration and Development".
2. The maximum width of access roads will be 30 feet total disturbed area. Roads will be crowned and properly maintained by the operator. Travelling off access road right-of-ways will not be allowed. Turnouts will not be required.
3. Topsoil will be stockpiled as addressed in the applicants 13 point plan. The BLM recommends that the top 8-10 inches of soil be stockpiled at each site.
4. A cattleguard will be necessary for the access road to well #4-30B.
5. A fence that crosses the pad for well #1-26A will have to be re-routed around the location. The fence will be reconstructed in the manner in which it is presently built. Should the well prove to be a dry hole, the fence will be put back in its original place.



6. The pit for well #5-12D will be reduced to 100' x 175'.
7. It was decided at the joint on-site to move the pad for well #5-12D south 50 feet, and to rotate the entire pad clockwise 10° to run with the slope of the hill.
8. A burn pit will not be constructed. There will be no burying of garbage and trash at well sites. All trash and garbage must be contained and hauled to the nearest sanitary landfill for proper disposal.
9. The BLM will be contacted at least 24 hours prior to pad construction.
10. The BLM will be contacted at least 24 hours prior to any rehabilitation so that the operator may be appraised of seeding and restoration requirements.

Archeological clearances have been received by this office for these proposed wells and their access roads.

The proposed activities do not jeopardize listed, threatened, or endangered flora/fauna or their habitats.

Sincerely,



Ralph J. Heft
Area Manager
Diamond Mtn. Resource Area

cc: USGS, Vernal

FROM: DISTRICT GEOLOGIST, SALT LAKE CITY, UTAH

TO: DISTRICT ENGINEER, O&G, SALT LAKE CITY, UTAH

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. U-37246-A

OPERATOR: Mapco WELL NO. Federal 4-30B

LOCATION: SW 1/4 NW 1/4 NW 1/4 sec. 30, T. 9S., R. 19E, SLM

Vintah County, Utah

1. Stratigraphy: Operator estimates top of Green River at a depth of 1685'.
My data indicates a depth of ~1300'.

Vintah	Surface
Green River	1300
Wasatch	5350
TD	5450

2. Fresh Water:

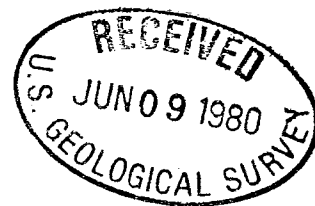
Fresh & useable water may be encountered in the Vintah and Green River to ~3500'.

3. Leasable Minerals:

Land is withdrawn for oil shale value.

The Mahogany Zone will be encountered at ~2200' depth.

4. Additional Logs Needed: Adequate



5. Potential Geologic Hazards: None anticipated

6. References and Remarks:

PI Cards for estimating depth to Green River.

Signature: Gregory W Wood Date: 6-5-80



United States Department of the Interior

GEOLOGICAL SURVEY
Conservation Division
8440 Federal Building
Salt Lake City, Utah 84138

EBU 4-30B
30-95-19E
Mojave Prod. Co.
Uintah County
E A # 429-80

RECEIVED

JUN 2 1980
OFFICE OF
OIL AND GAS OPERATIONS

Mr. Peter Rutledge
Area Oil Shale Supervisor
Area Oil Shale Office
131 North Sixth, Suite 300
Grand Junction, Colorado 81501

Dear Mr. Rutledge,

The Office of Oil and Gas Operations, Conservation Division, received the attached Application for Permit to Drill, Deepen, or Plug Back (Form 9-331C).

Please review this proposal for any conflict with any of the resources in the oil shale tracts and withdrawal areas. If needed, set forth the stipulations you determine necessary for adequate protection. Please use the following space for your response (if there is none, so state), together with date and initials of person responsible and return to the Office of Oil and Gas Operations.

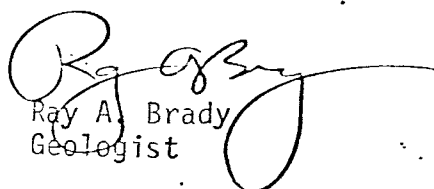
U.S. Geological Survey
8440 Federal Building
125 South State Street
Salt Lake City, Utah 84138

Mapco 4-30B

June 2, 1980

Proposed casing and cementing program indicates that 5 1/2-inch casing will be set at a depth of 5450' with cement circulated to the surface. This program is acceptable for protection of the Green River oil shale section and aquifers.

If cement cannot be circulated, then the program should be revised to include a lower cement plug at the base of the Green River oil shale section, and an upper plug across the Mahogany oil shale zone and top of the Green River section.


Ray A. Brady
Geologist

TEN-POINT COMPLIANCE PROGRAM OF NTL-6
APPROVAL OF OPERATIONS

Attached to Form 9-331C

Company: MAPCO PRODUCTION COMPANY

Well: Federal 4-30B

Well Location: 501' FWL & 1044' FNL

Section 30, T9S, R19E

County: Uintah

State: Utah

1. Geologic Surface Formation

UINTAH

2. Estimated Important Geologic Markers

<u>Formation</u>	<u>Depth</u>
Uintah	Surface
Green River	1687'
Wasatch	5347'

3. Estimated Depths of Anticipated Water, Oil, Gas or Minerals

<u>Formation</u>	<u>Depth</u>	<u>Remarks</u>
Green River	4087'	"I" oil zone
Green River	4347'	"K" zone
Green River	5177'	Green River tongue

4. The Proposed Casing Program

<u>SIZE OF CASING</u>	<u>WEIGHT & GRADE</u>	<u>SETTING DEPTH</u>	<u>QUANTITY OF CEMENT</u>
8-5/8"	24#, H-40	400'	Cmt to surface
5-1/2"	14#, K-55	5450'	Cmt to surface

5. The Operator's Minimum Specifications for Pressure Control

See Figure #1, attached
BOP stack has a 3000 psi working pressure. BOP's will be pressure tested before drilling casing cement plugs.
Pipe rams will be operated daily and blind rams as possible.

6. The Type and Characteristics of the Proposed Circulating Muds

Fresh water gel system. Use LCM as required to control loss circulation. Mud system to have proper rheological properties to maintain sufficient viscosity to clean hole, run logs and to land and cement casing.

7. The Auxiliary Equipment to be Used

- 1) Kelly cock.
- 2) Full opening valve on floor with DP connection for use when Kelly is not in string.
- 3) Pit volume totalizer equipment will be used.

8. The Testing, Logging, and Coring Programs to be Followed

A two(2) man mud logging unit will be in operation from surface to T.D. The following open hole logs will be run:

- 1) SP-Dual Induction-Laterolog 8,
- 2) FDC-CNL-GR,
- 3) Sonic Log and F-log overlay.

Exact logging detail and procedures will be prepared prior to reaching logging depth.

9. Any Anticipated Abnormal Pressures or Temperatures Expected

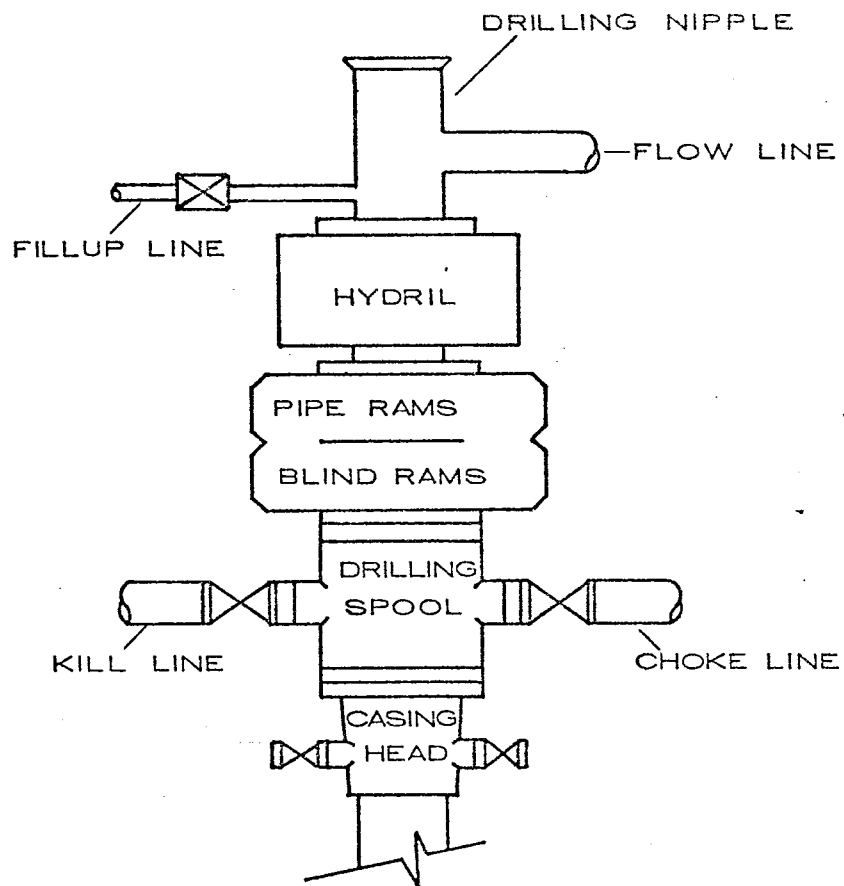
No abnormal pressures are anticipated nor is the area known for abnormal temperatures. The formations to be penetrated do not contain H₂S gas.

10. The Anticipate Starting Date and Duration of the Operations

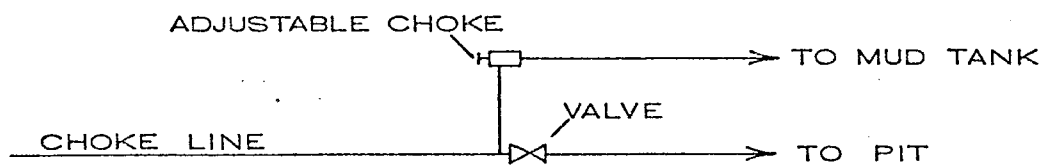
Starting Date: 6-25-80

Duration: 15 days

BOP STACK



CHOKE MANIFOLD



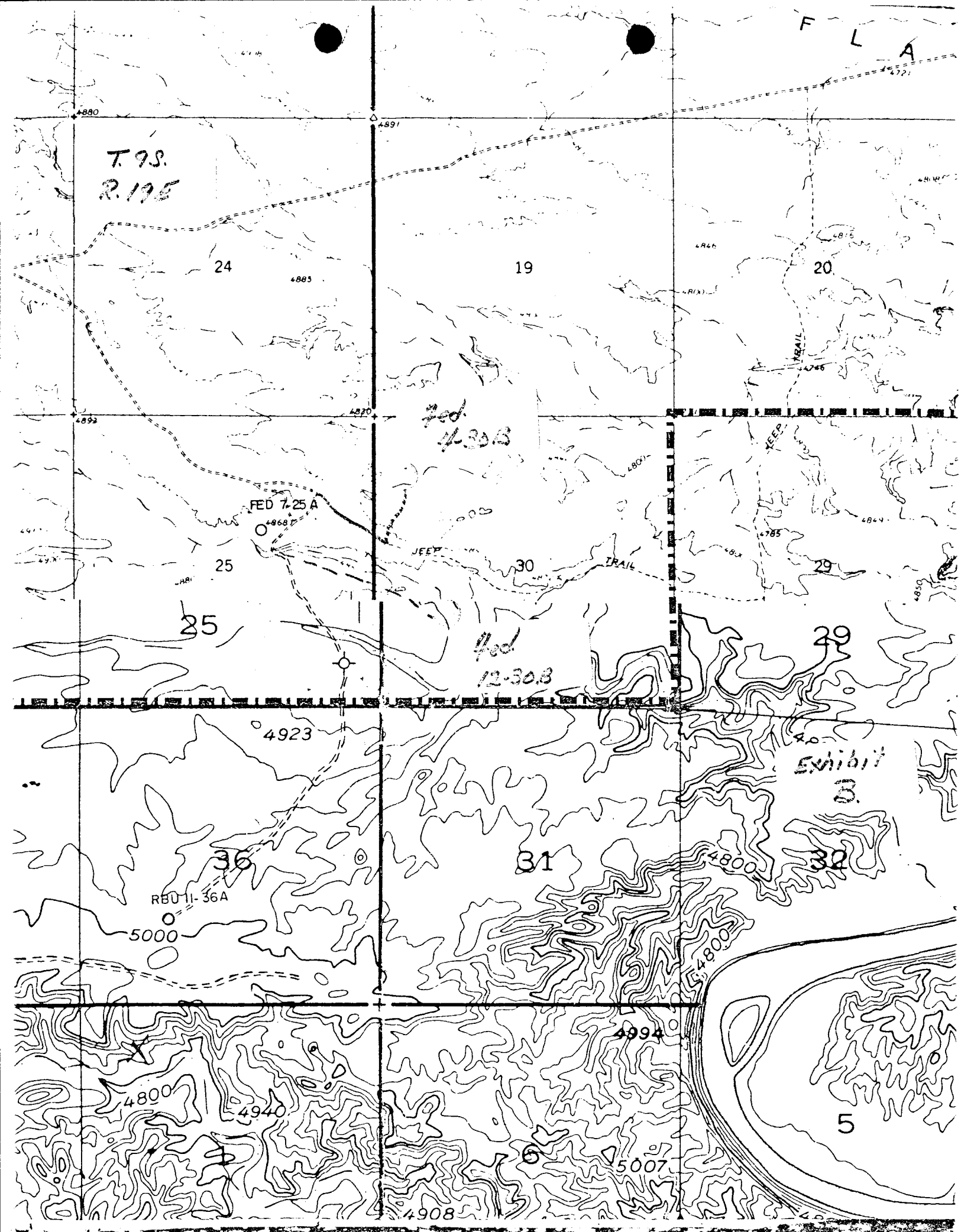
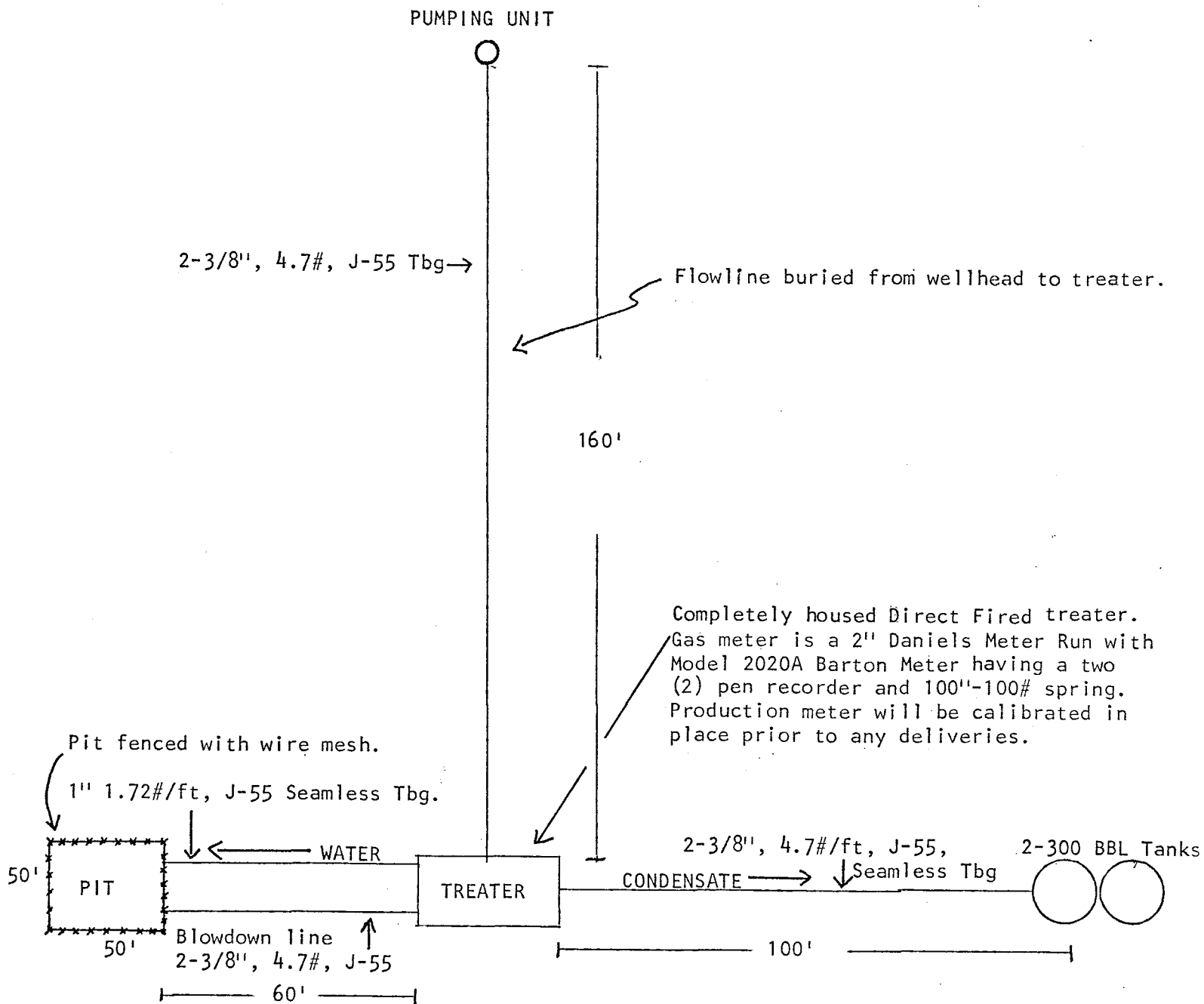


Exhibit C



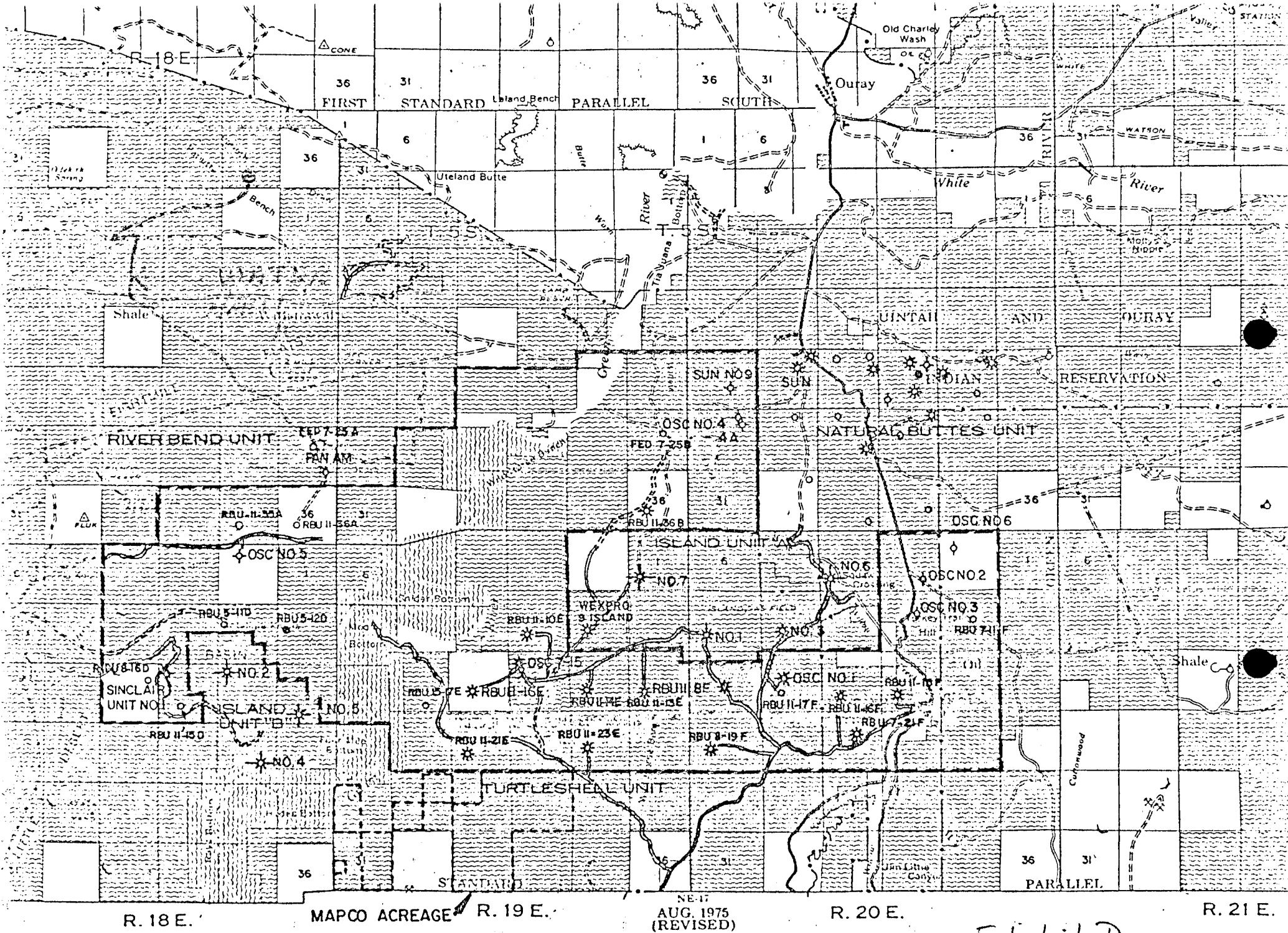
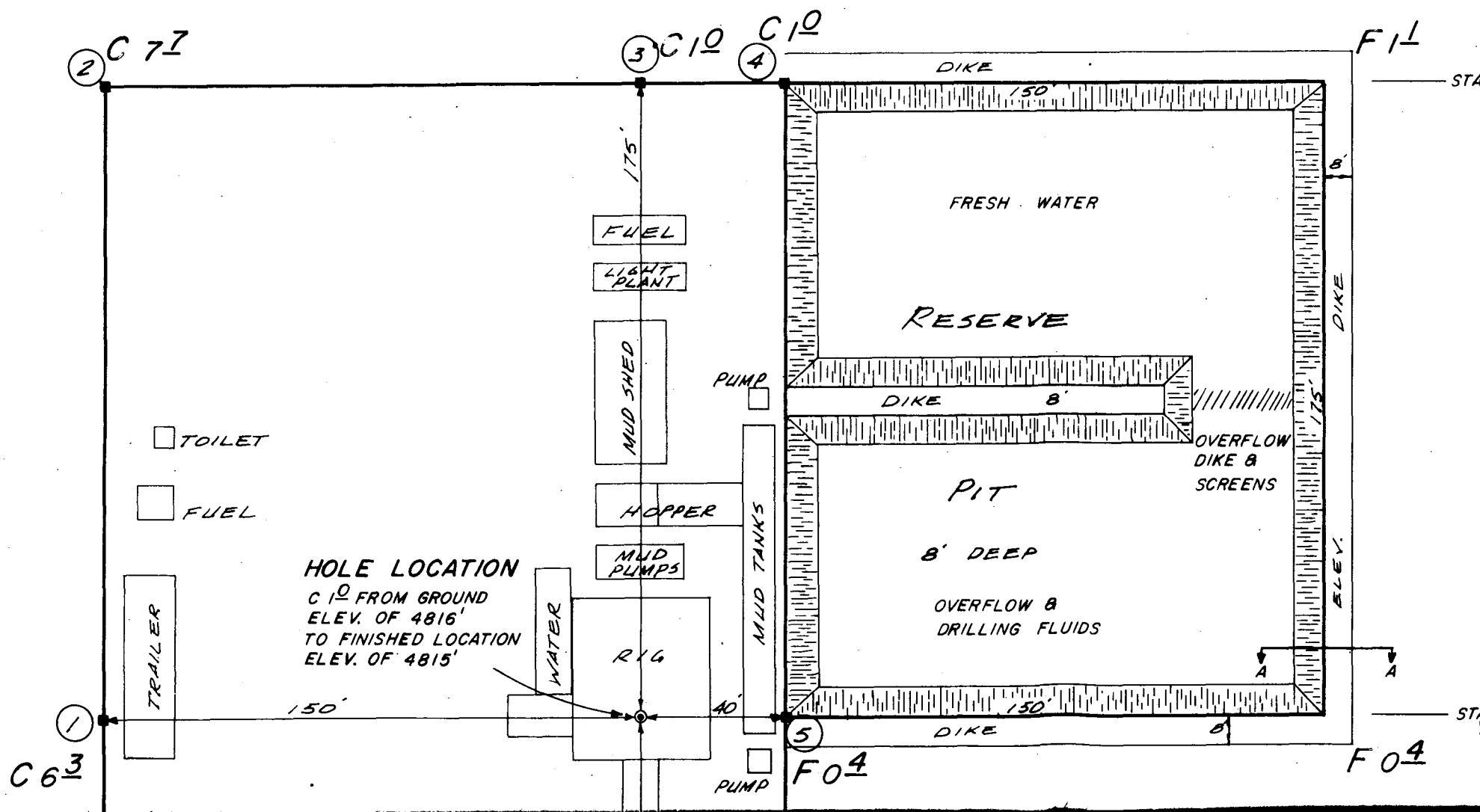


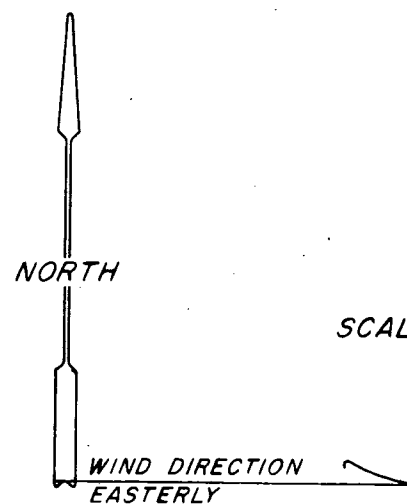
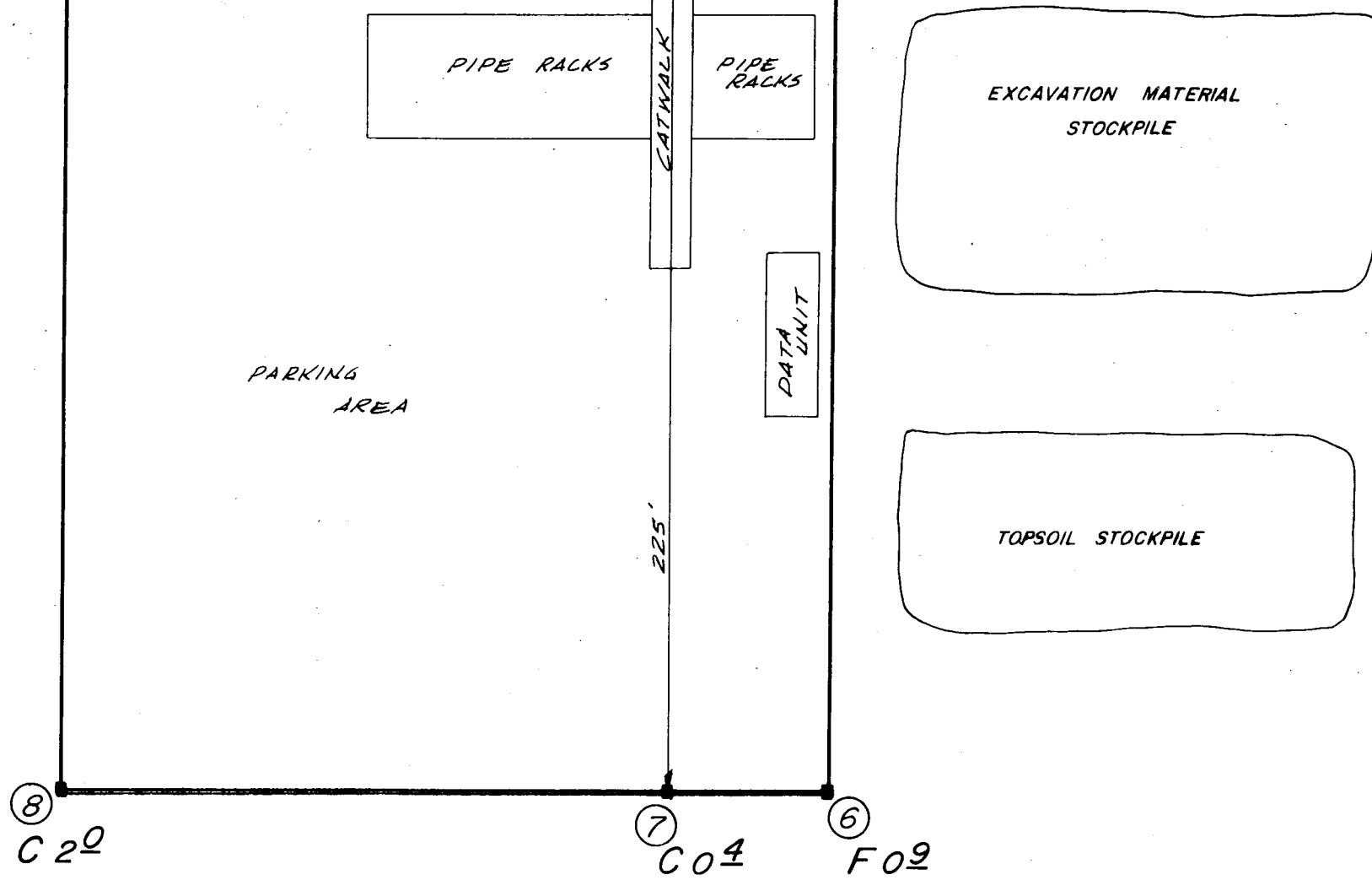
Exhibit D

MAPCO

FEDERAL

LAYOUT





SCALE: 1" = 40'

NOTES

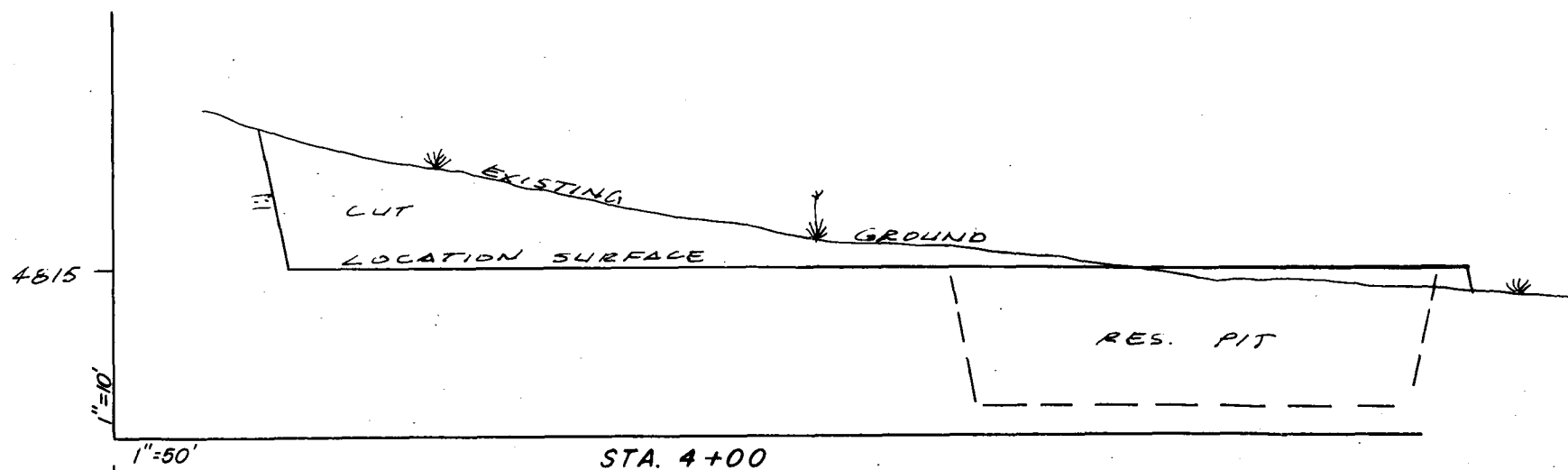
The location is located at the edge of a flat hills and ridges to the North, West and South
The soil is composed of shale and weathered s

D, INC.

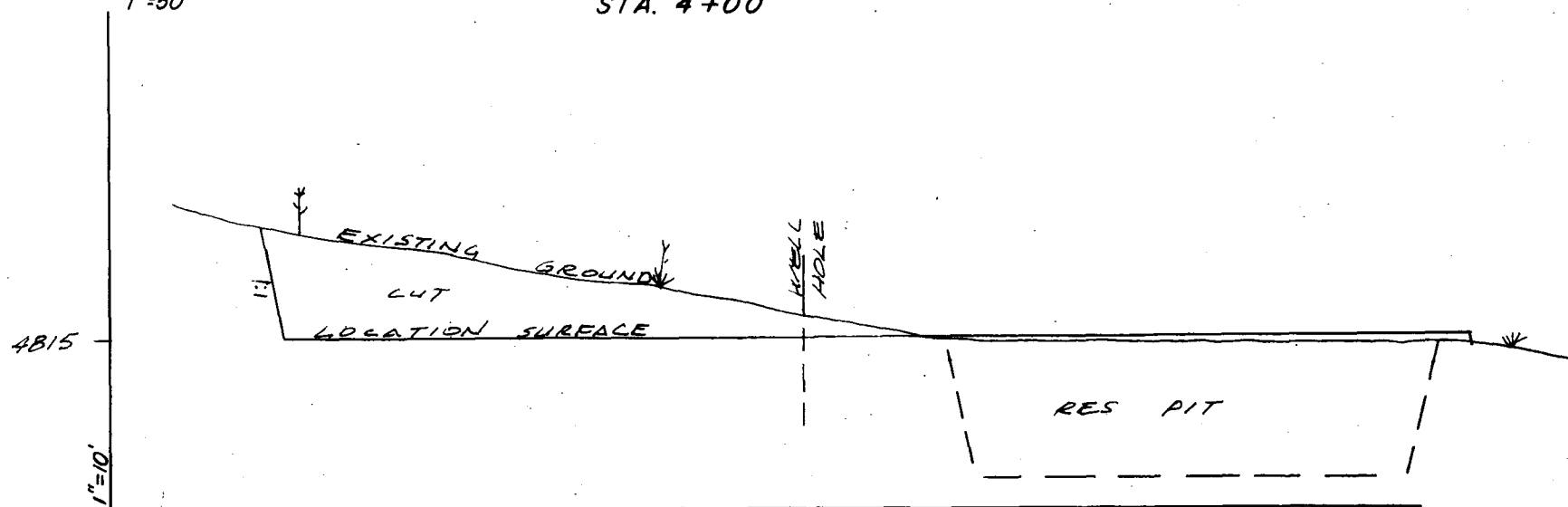
4-30B
PLAT

LOCATED IN THE NW 1/4 OF THE NW 1/4 OF
SECTION 30, T9S, R19E, S.L.B. 1/4 M.

4+00



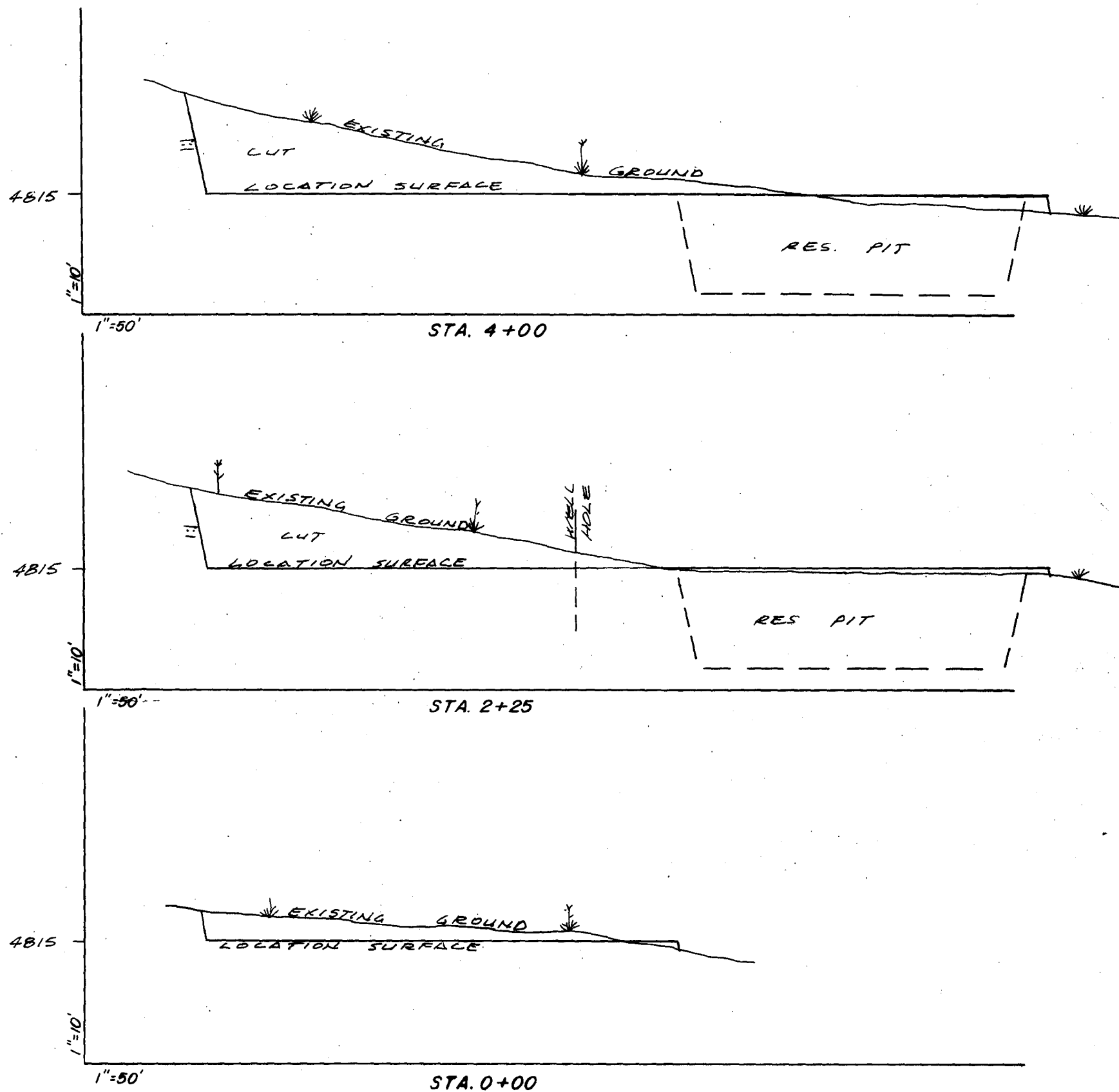
2+25



INC.

4-30B
PLAT

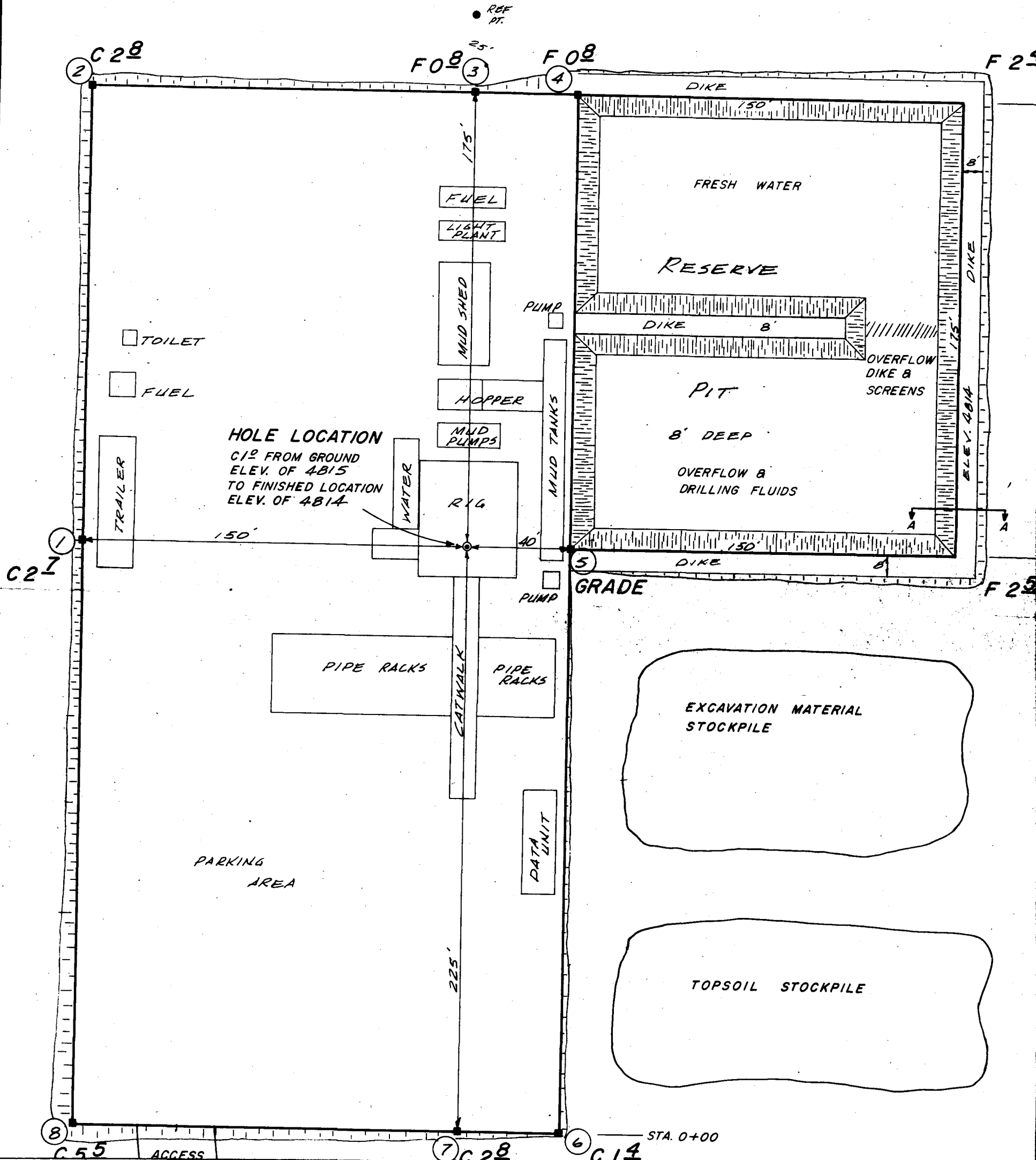
LOCATED IN THE NW 1/4 OF THE NW 1/4 OF
SECTION 30, T9S, R19E, S.L.B. 1/2 M.

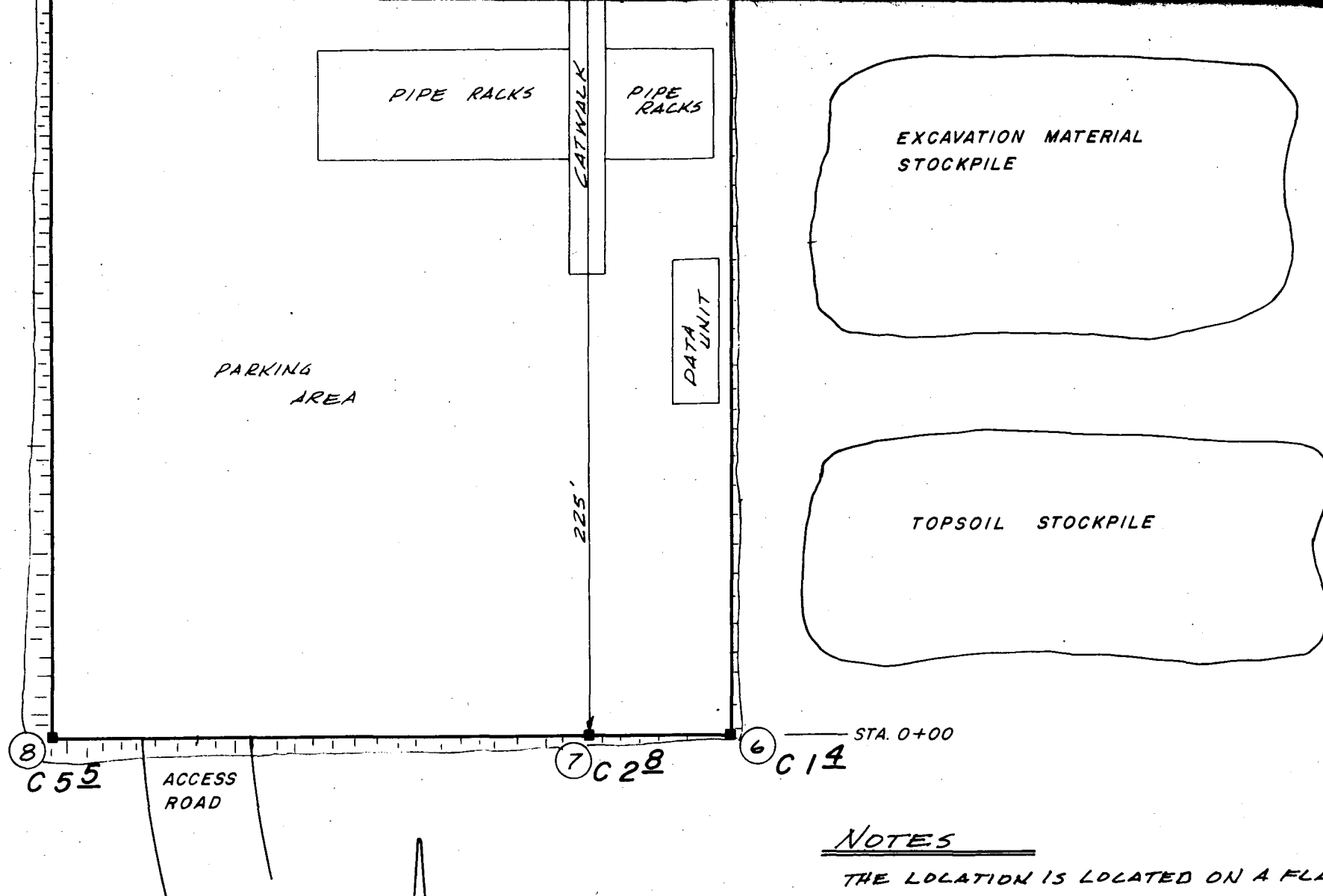


MAP

FEDERAL

LAYOUT

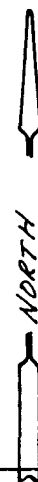




NOTES

THE LOCATION IS LOCATED ON A FLAT AREA
LOW RIDGES TO THE WEST AND SOUTH, WITH
AND GRASS COVER.
SOIL IS LIGHT BROWN SANDY CLAY
1/4 SANDSTONE.

SCALE 1" = 40'



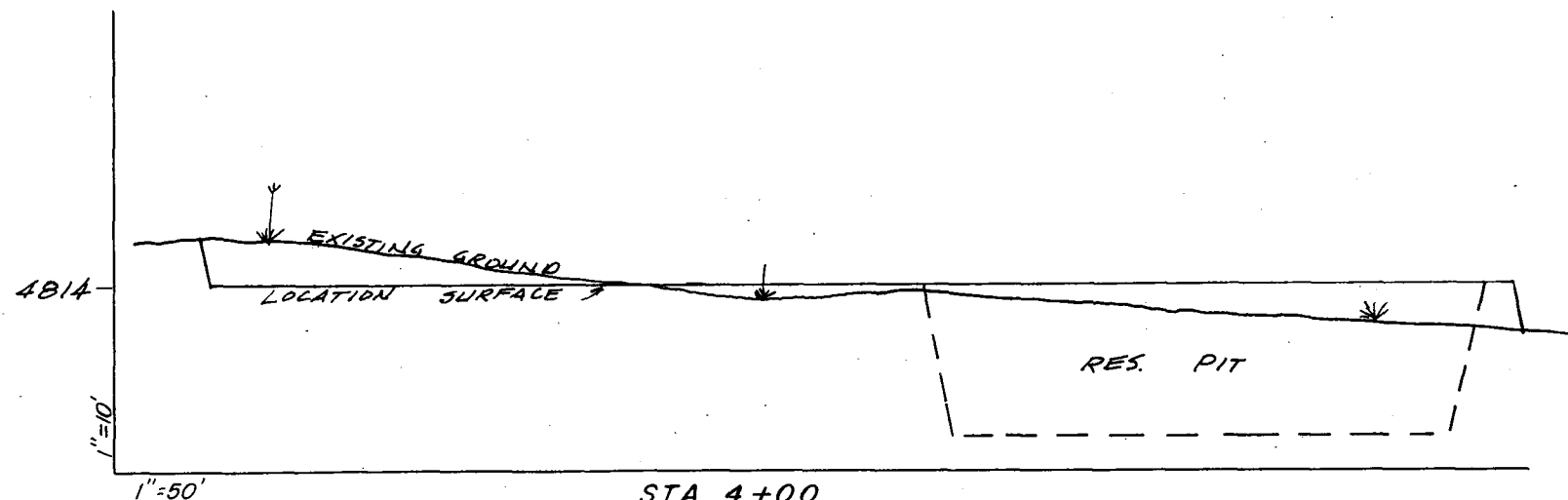
WIND DIRECTION
EASTERLY

D, INC.
4-30B
PLAT

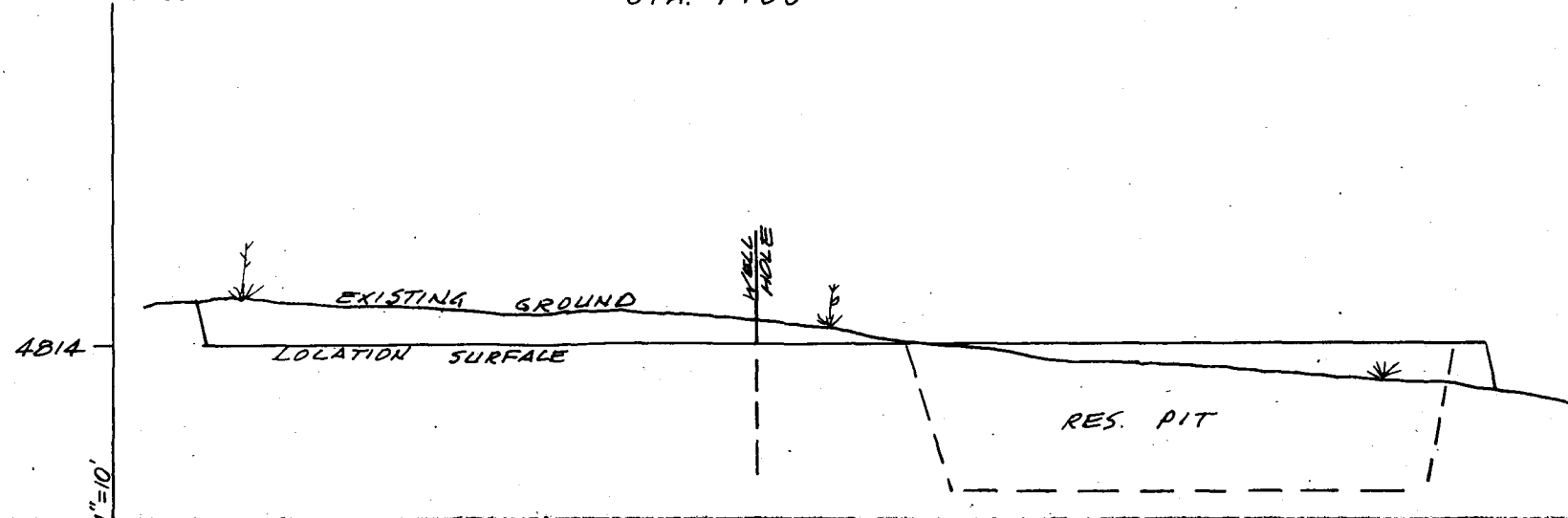
LOCATED IN THE SW 1/4 OF THE NW 1/4 OF
SECTION 25, T9S, R18E, S.L.B. 1/2 M.

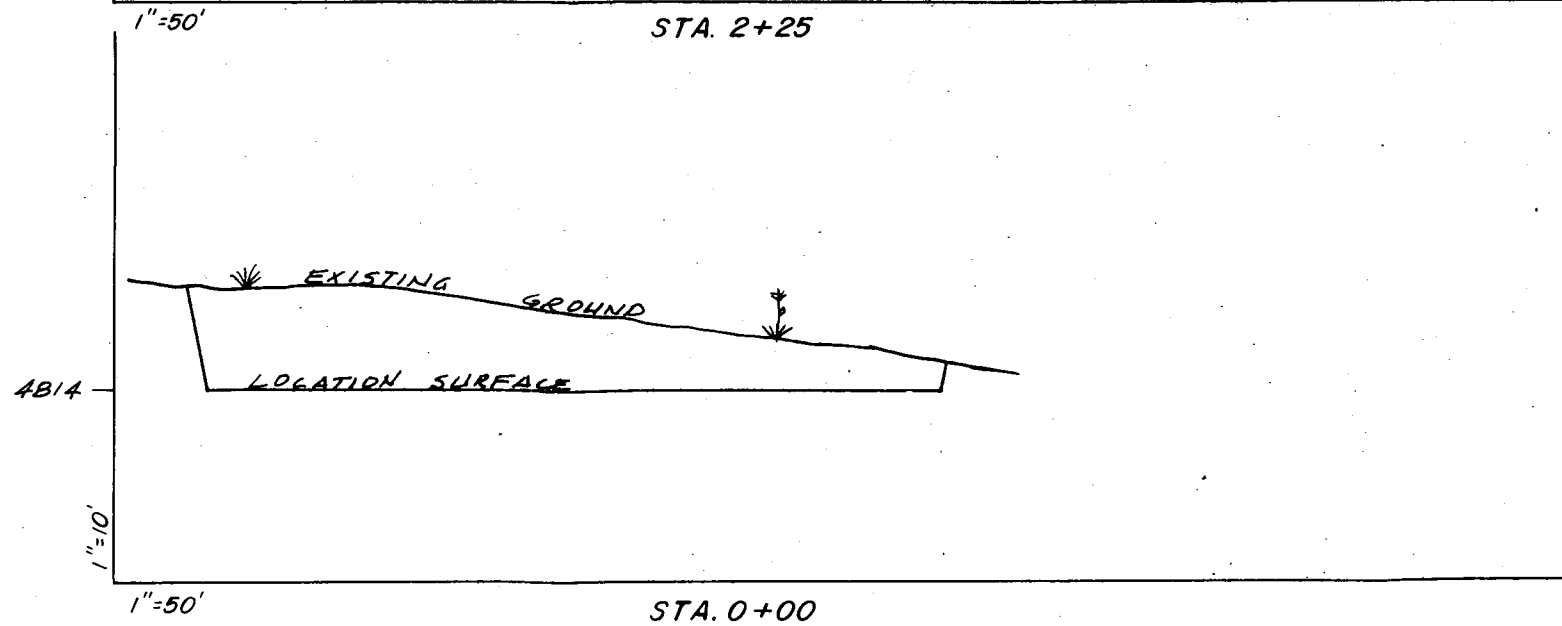
Exhibit E

4+00



2+25

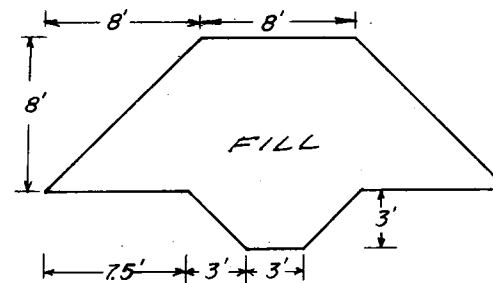




APPROXIMATE QUANTITIES

CUT: 11,223 CU. YDS.

FILL: 343 CU. YDS.



KEYWAY A-A

	<p>JERRY D. ALLRED & ASSOCIATES Surveying & Engineering Consultants</p>
	<p>121 North Center Street P.O. Drawer C DUCESNE, UTAH 84021 (801) 738-5352</p>

24 APR '80

79-128-027

WITH
BRUSH

**** FILE NOTATIONS ****

DATE: May 12, 1980
OPERATOR: Mapco Production Company
WELL NO: Federal # 4-30B
Location: Sec. 30 T. 9S R. 19E County: Montah

File Prepared: ☒

Entered on N.I.D: ☒

Card Indexed: ☒

Completion Sheet: ☒

API Number 43-047-30717

CHECKED BY:

Petroleum Engineer: M.S. Minder 6-4-80

Director: Will change location to conform to C-3 spacing per call Dick Baumann 5-16-80

Administrative Aide: Rule C-3: Too close to gtr. gtr. line
Talked with Dick Baumann 5/14/80 - requesting topo exception
on oil spacing requested location change 5/30/80 ?

APPROVAL LETTER:

Bond Required: ☐

Survey Plat Required: ☒

Order No. _____

O.K. Rule C-3 ☒

#1 Rule C-3(c), Topographic Exception - company owns or controls acreage within a 660' radius of proposed site

Lease Designation ☒

Plotted on Map ☒

Approval Letter Written ☒

Hot Line ☒

P.I. ☒

Well file
copy

9-331
1973

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form Approved.
Budget Bureau No. 42-R1424

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ gas ☐ other ☐
well well

2. NAME OF OPERATOR MAPCO PRODUCTION COMPANY
Alpine Executive Center

3. ADDRESS OF OPERATOR 1643 Lewis Ave., Suite 202
Billings, MT 59102

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 501' FWL & 810' FNL
AT TOP PROD. INTERVAL: Same
AT TOTAL DEPTH: Same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA.

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) Change Location

SUBSEQUENT REPORT OF:

☐
☐
☐
☐
☐
☐
☐
☐

5. LEASE
U-37246-A
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
9. WELL NO.
Federal 4-30B
10. FIELD OR WILDCAT NAME
Wildcat
11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA
Sec. 30, T9S, R19E
12. COUNTY OR PARISH
Uintah
13. STATE
Utah
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD)
4815' G.L.

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

MAPCO has moved the location of the Fed. 4-30B 230' to the North. The previous location was 501' FWL & 1044' FNL. The new location is 501' FWL & 810' FNL. The new location should be within the legal limits.

Enclosed please find revised plats to accompany the APD with was filed on May 8, 1980.

APPROVED BY THE DIVISION
OF OIL, GAS, AND MINERAL
DATE: 6-4-80
BY: M.T. Muirder

Subsurface Safety Valve: Manu. and Type

18. I hereby certify that the foregoing is true and correct

SIGNED Richard Baumann TITLE Engineering Tech. DATE 5-28-80
Richard Baumann

(This space for Federal or State office use)

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

June 6, 1980

Mapco Production Co.
Alpine Executive Center
1643 Lewis Ave.
Billings, Montana 59102

Re: Well No. Federal # 1-26A, Sec. 26, T. 9S, R. 18E., Uintah County, Utah
Well No. Federal # 4-30B, Sec. 30, T. 9S, R. 19E., Uintah County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil wells is hereby granted in accordance with Rule C-3, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER - Petroleum Engineer
Office: 533-5771
Home: 876-3001

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested, that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API numbers assigned to these wells are Fed. #1-26A: 43-047-30716;
Fed. #4-30B: 43-047-30717.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Michael T. Minder
Petroleum Engineer

/jt

DESIGNATION OF OPERATOR

RECEIVED
JUN 11 1980

The undersigned is, on the records of the Bureau of Land Management, holder of lease

DISTRICT LAND OFFICE: Salt Lake City, Utah
SERIAL No.: U-37246-A

DIVISION OF
OIL, GAS & MINING

and hereby designates

NAME: MAPCO INC.
ADDRESS: 1643 Lewis Avenue, Billings Montana

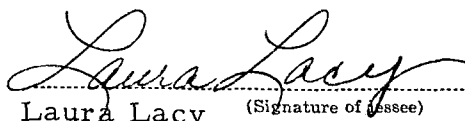
as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Operating Regulations with respect to (describe acreage to which this designation is applicable):

T. 9 S., R. 19 E., S.L.M., Uintah County, Utah
Section 30: NW $\frac{1}{4}$ NW $\frac{1}{4}$

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the supervisor of any change in the designated operator.


Laura Lacy (Signature of Lessee)

2705 South Teller Street
Denver, Colorado 80227

June 2, 1980

(Date)

(Address)

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: Mapco Production Company

WELL NAME: Federal #4-30B

SECTION 30 NW NW TOWNSHIP 9S RANGE 19E COUNTY Uintah

DRILLING CONTRACTOR All Western Drilling

RIG # 2

SPUDDED: DATE 8/29/80

TIME 8:00 a.m.

How rotary

DRILLING WILL COMMENCE approx. 3 weeks

REPORTED BY Darwin Kulland

TELEPHONE #

DATE August 29, 1980

SIGNED *M. J. M.*

cc: USGS

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
(FORM 9-329)
(2/76)
OMB 42-RO 356

MONTHLY REPORT
OF
OPERATIONS

Lease No. U-3725-A
Communitization Agreement No. NA
Field Name NA
Unit Name RIVER BEND UNIT
Participating Area NA
County UINTAH State UTAH
Operator MAPCO PRODUCTION COMPANY
☐ Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of September, 19 80

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

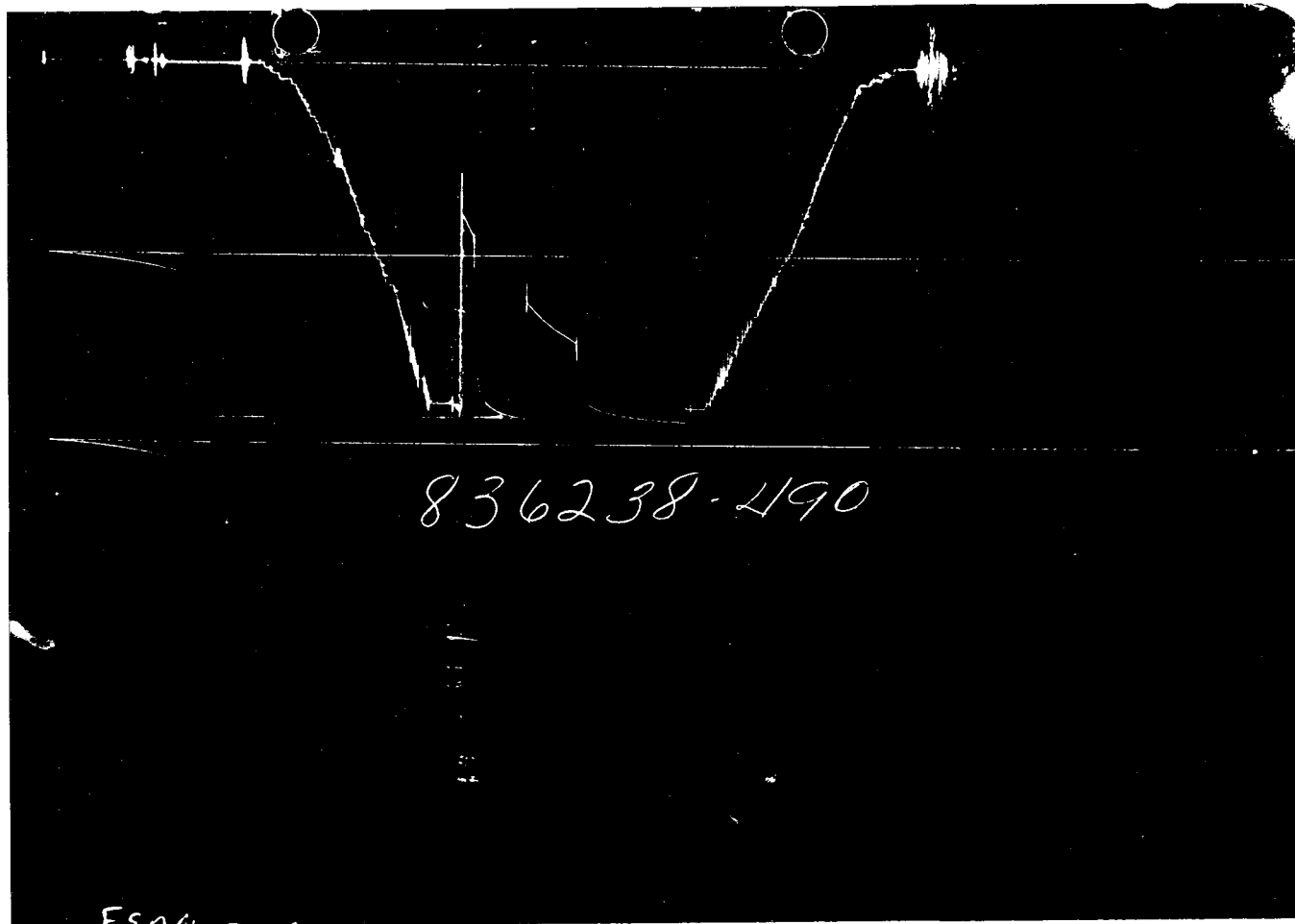
Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
4-30B	30 NWNW	9S	19E	DRL					
		8-28-80		Drilled a 12 1/4" hole to 375'					with Air Rig.
		9-5-80		Set 8 5/8", 24# csg. @ 330'					cmt with 215 sx cmt.
				MIRU. Big Rig. Spudded well			9-28-80		
		9-30-80		TD 1110'. Drlg Green River					

*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

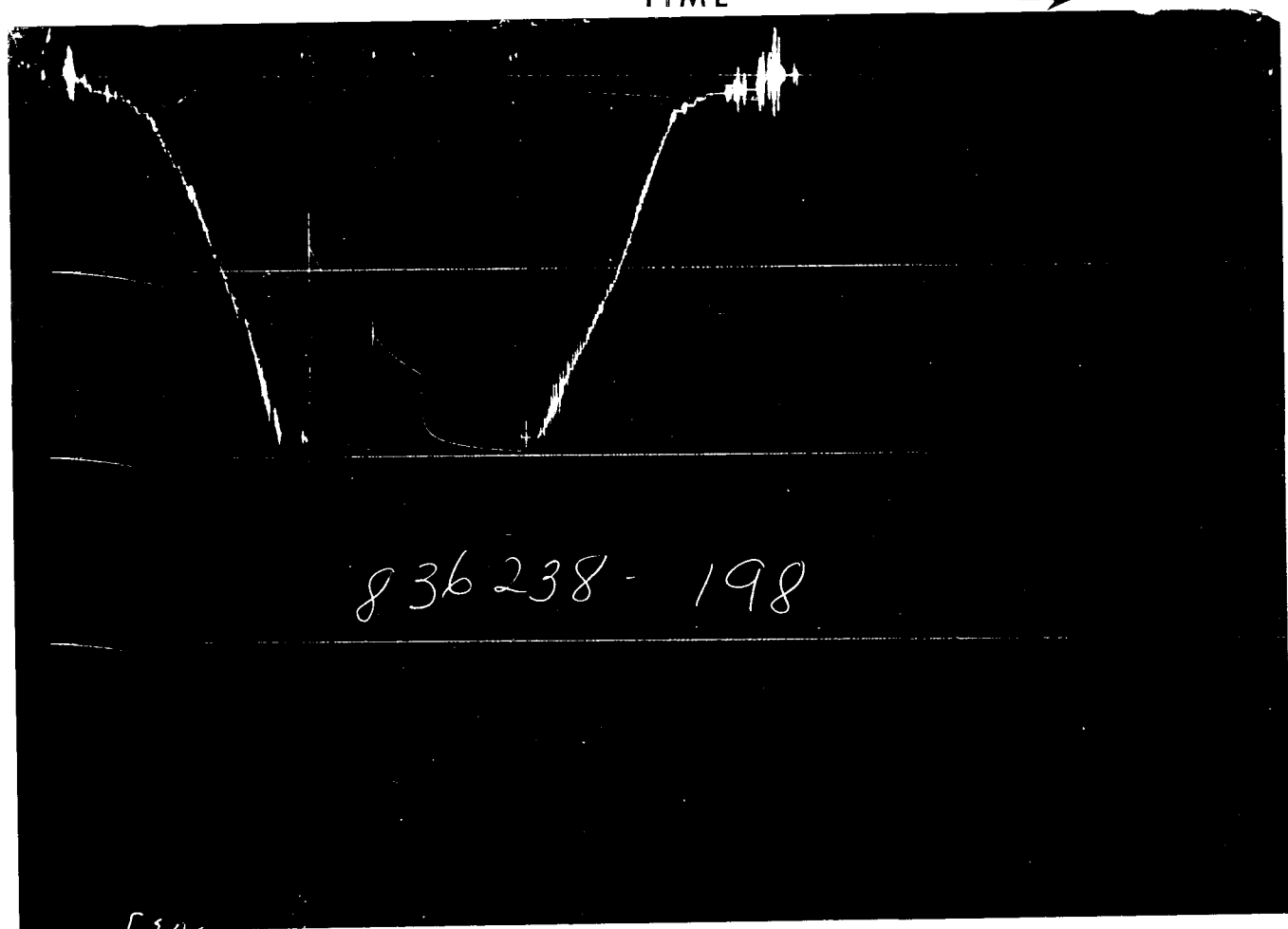
	Oil & Condensate (BBLS)	Gas (MCF)	Water (BBLS)
*On hand, Start of Month		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Produced			
*Sold			XXXXXXXXXXXXXXXXXX
*Spilled or Lost		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXX		XXXXXXXXXXXXXXXXXX
*Used on Lease			XXXXXXXXXXXXXXXXXX
*Injected			
*Surface Pits	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	
*Other (Identify)			
*On hand, End of Month		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content			XXXXXXXXXXXXXXXXXX

Authorized Signature: Richard Baumann Address: 1643 Lewis Ave., Billings, MT 59102
Title: Engineering Technician



↑ PRESSURE ↓

TIME →



Each Horizontal Line Equal to 1000 p.s.i.

FLUID SAMPLE DATA				Date 10-8-80		Ticket Number 836238																																																																																																																																										
Sampler Pressure <u>45</u> P.S.I.G. at Surface Recovery: Cu. Ft. Gas _____ cc. Oil _____ cc. Water <u>2400</u> cc. Mud _____ Tot. Liquid cc. _____ Gravity _____ ° API @ _____ ° F. Gas/Oil Ratio _____ cu. ft./bbl.				Kind of D.S.T. OPEN HOLE Halliburton Location VERNAL Tester N.G. CANNON Witness VERN HUNT Drilling Contractor CARMACK RIG # 5 sm																																																																																																																																												
EQUIPMENT & HOLE DATA																																																																																																																																																
RESISTIVITY _____ CHLORIDE CONTENT _____ Recovery Water _____ @ _____ ° F. _____ ppm Recovery Mud _____ @ _____ ° F. _____ ppm Recovery Mud Filtrate _____ @ _____ ° F. _____ ppm Mud Pit Sample _____ @ _____ ° F. _____ ppm Mud Pit Sample Filtrate _____ @ _____ ° F. _____ ppm Mud Weight _____ vis _____ sec.				Formation Tested _____ Elevation _____ 4824' Kelly bushing Ft. Net Productive Interval _____ Ft. All Depths Measured From Kelly bushing Total Depth _____ 4273' Ft. Main Hole/Casing Size 7 7/8" OH Drill Collar Length 220.68' I.D. 2 1/4" Drill Pipe Length 3824.84' I.D. 2.764" Packer Depth(s) 4070-4076' Ft. Depth Tester Valve 4053' Ft.																																																																																																																																												
Cushion		TYPE	AMOUNT	Depth Back Pres. Valve	Surface Choke	Bottom Choke																																																																																																																																										
					1/8"	.75"																																																																																																																																										
Recovered	3355	Feet of fresh water																																																																																																																																														
Recovered		Feet of																																																																																																																																														
Recovered		Feet of																																																																																																																																														
Recovered		Feet of																																																																																																																																														
Recovered		Feet of																																																																																																																																														
Remarks SEE PRODUCTION TEST DATA SHEET....Annulus flowing water throughout test. Found leak in drill collar 2 stands above tools.																																																																																																																																																
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 Legal Location
 Sec. - Twp. - Rng.

30 9S 19E

 Field Area
 Wildcat

 County
 Uintah

 State
 Utah

 FEDERAL
 Lease Name

 40-30-B
 Well No.

 2
 Test No.

 4076 - 4273'
 Tested Interval

 MAPCO INCORPORATED
 Lease Owner/Company Name

Casing perms. _____ Bottom choke _____ Surf. temp _____ °F Ticket No. 836238
 Gas gravity _____ Oil gravity _____ GOR _____
 Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F
 INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED _____

Date Time	a.m. p.m.	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
10-8-80						
0330						On location.....tools ready for test.
0533						Started tools back in hole
0900						Rigged up surface equipment
0927						Opened tool with 6" blow of water
0928						12" blow in water
0942						Closed tool with 12" blow in water
1044						Opened tool with 10½" blow
1047						Weak blow -12" in water
1105						Weak blow -4½" in water
1120						Weak blow - 4½" in water
1135						Weak blow - 2 1/8" in water
1140						Weak blow 2 1/8" in water
1143						Closed tool with no blow
1352						Pulled tools loose
1355						Started out of hole with tools.
1900						Out of hole - loaded out tools.
2000						Operator released Job complete.

Gauge No.			490			Depth			4055'			Clock No.			4096			24 hour		Ticket No.		836238		
First Flow Period			First Closed In Pressure			Second Flow Period			Second Closed In Pressure			Third Flow Period			Third Closed In Pressure									
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.							
0	.0000	779.2	.0000		904.2	.0000	1246.6	.0000		1460.2														
1	.0102	799.2	.0238*		1691.9	.0307**	1291.7	.0421***		1778.6														
2	.0204	827.1	.0408		1758.6	.0647	1339.5	.0702		1805.3														
3	.0306	853.7	.0578		1789.3	.0988	1374.0	.0982		1819.9														
4	.0408	880.3	.0748		1809.3	.1329	1405.8	.1263		1831.9														
5	.0510	904.2	.0918		1822.6	.1669	1433.7	.1543		1839.9														
6			.1088		1833.3	.2010	1460.2	.1824		1846.6														
7			.1258		1841.3			.2105		1851.9														
8			.1428		1847.9			.2385		1858.6														
9			.1598		1853.3			.2666		1862.6														
10			.1768		1858.6			.2946		1866.6														
11			.1938		1863.9			.3227		1869.3														
12			.2110		1865.3			.3508		1871.9														
13								.3788		1874.6														
14								.4069		1877.3														
15								.4350		1878.6														

Gauge No. 198			Depth 4270'			Clock No. 2290			24 hour			
0	.0000	881.8	.0000		1006.5	.0000	1348.6	.0000		1560.5		
1	.0102	901.5	.0230*		1798.9	.0296**	1392.1	.0395***		1880.9		
2	.0204	927.8	.0395		1862.4	.0625	1436.8	.0658		1906.0		
3	.0306	956.6	.0559		1892.8	.0954	1476.3	.0921		1921.9		
4	.0408	985.5	.0724		1912.7	.1282	1506.5	.1184		1931.2		
5	.0510	1006.5	.0888		1925.9	.1611	1534.2	.1448		1940.4		
6			.1053		1935.2	.1940	1560.5	.1711		1948.4		
7			.1217		1943.1			.1974		1953.7		
8			.1382		1951.0			.2237		1959.0		
9			.1546		1955.0			.2500		1962.9		
10			.1711		1960.3			.2764		1965.6		
11			.1875		1964.3			.3027		1970.9		
12			.2040		1968.2			.3290		1972.2		
13								.3553		1974.8		
14								.3816		1977.5		
15								.4080		1978.8		

Reading Interval 3 5 10 8 Minutes

REMARKS: *First interval is equal to 7 minutes. ** = 9 minutes. *** = 12 minutes.



	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing	3 1/2"	2.764"	3824.84'	
Drill Collars	6 1/4"	2 1/4"	158.22'	
Reversing Sub	6 3/8"	1 15/16"	1'	
Water Cushion Valve				
Drill Pipe				
Drill Collars	6 1/4"	2 1/4"	62.46'	
Handling Sub & Choke Assembly				
Dual CIP Valve X over	6"	1 1/4"	.74'	
Dual CIP Sampler	5"	.75"	6.75'	4048'
Hydro-Spring Tester	5"	.75"	5'	4053'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3.06"	4.12'	4055'
Hydraulic Jar	5"	1.75"	5'	
VR Safety Joint	5"	1"	2.78'	
Pressure Equalizing Crossover				
Packer Assembly	6 3/4"	1.53"	5.81'	4070'
Distributor				
Packer Assembly	6 3/4"	1.53"	5.81'	4076'
Flush Joint Anchor X over	5 1/2"	1 3/8"	.52'	
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint X over	6"	2 3/4"	.74'	
Side-Well Anchor -- Drill collars	6 1/4"	2 1/4"	53.54'	
Drill Collars X over	6"	2 3/4"	.73'	
Flush Joint Anchor	5 3/4"	2.87"	26'	
Blanked-Off B.T. Running Case	5 3/4"	2.50"	4.16'	4270'
Total Depth				4273'

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
(FORM 9-329)
(2/76)
OMB 42-RO 356

MONTHLY REPORT
OF
OPERATIONS

Lease No. U-3724
Communitization Agreement No. NA
Field Name NA
Unit Name RIVER BEND UNIT
Participating Area NA
County UINTAH State UTAH
Operator MAPCO PRODUCTION COMPANY
☐ Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of October, 19 80

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
4-30B	30 NWNW	9S	19E	DRL					
	10-8-80	Ran	DST #1	Test failed					
	10-9-80	DST #1	RR pkr @ 4076'	Test failed					
	10-10-80	DST #2	4840'-4950'	Recovered 223' mud					
	10-15-80	TD @ 5448'	Ran DIL-SLF, CNL/FDC						
	Sample tops	Green River Tongue	5170						
		Wasatch	5340						
	10-17-80	Set 5 1/2"	15.5 csg @ 4650.9'						
	10-18-80	Rel. Rig	Cmt with 250 sacks						
	MIRU	workover rig							
	10-27-80	Ran GR-ccl	perfed 4461-4467	14 holes					
	10-30-80	Acidized	perfs 4461-4467	with 1500 gals 15% HCL					
	10-31-80	Swab	testing.						

*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLS)	Gas (MCF)	Water (BBLS)
*On hand, Start of Month		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Produced			
*Sold			XXXXXXXXXXXXXXXXXX
*Spilled or Lost		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXX		XXXXXXXXXXXXXXXXXX
*Used on Lease			XXXXXXXXXXXXXXXXXX
*Injected			
*Surface Pits	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	
*Other (Identify)			
*On hand, End of Month		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content			XXXXXXXXXXXXXXXXXX

Authorized Signature: Richard Baumann Address: 1643 Lewis Ave., Billings, MT 59102
Title: Engineering Technician Page of

FILE IN TRIPLICATE
-FORM OGC-8-X

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OCT 20 1933

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OCT 20 1933

DIVISION OF
OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
1588 West North Temple
Salt Lake City, Utah 84116

OIL, GAS & MINING

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number Federal 4-30B

Operator MAPCO, Inc. Production Co. Address Roosevelt, Utah

Contractor Carmack Drilling Co. Address Grand Junction, Colo.

Location NE 1/4 NW 1/4 Sec. 30 T. 9 S. R. 19 E. County Uintah

Water Sands

	<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
	<u>From</u>	<u>To</u>	<u>Flow Rate or Head</u>	<u>Fresh or Salty</u>
1.	2460'	2475'	5 BPD	Fresh
2.				
3.				
4.				
5.				

(Continue of reverse side if necessary)

Formation Tops

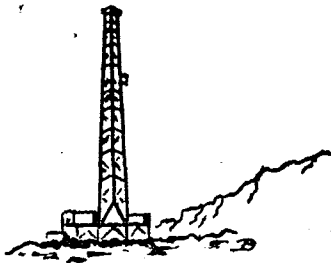
Green River	1687	Green River Tongue	5170
Wasatch Tongue	4780	Wasatch	5340

Remarks

NOTE: (a) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure.

(b) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

NOTE: Analysis is in process. Copy will be forwarded when complete.



L. D. "Vern" HUNTER
Consulting Geologist

TELEPHONE
(406) 656-5197

2903 PARKHILL DRIVE
BILLINGS, MONTANA, 59102

October 20, 1980

MAPCO PRODUCTION COMPANY

FEDERAL NO. 4-30B

NW $\frac{1}{4}$ NW $\frac{1}{4}$ SECTION 30, T. 9 S., R. 19 E.

UINTAH COUNTY, UTAH

Prepared for: MAPCO PRODUCTION
COMPANY

BY: L. D. 'Vern' Hunter
Consulting Geologist
Billings, Montana

RECEIVED

OCT 24 1980

DIVISION OF
OIL, GAS & MINING

L. D. Hunter

OPERATOR: MAPCO Production Company

WELL: Federal No. 4-30B

LOCATION: NW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 30, T. 9 S., R. 19 E.
(1044' FNL & 501' FWL)
Uintah County, Utah

TOPOG REFERENCE: Uteland Butte

ELEVATIONS: 4815' Grd; 4824' KB

SPUD DATE: September 28, 1980, 4:30 A.M.

SURFACE CASING: Ran 9 jts. 8-5/8" 24# csg; cemented with 215 sx type G
at 330'.

HOLE SIZE: 12-1/4" to 375'
7-7/8" from 330' to 5450'

TD AND DATE: 5450' October 15, 1980 (2:45 A.M.)
5448' Schlumberger

CORES: None

LOST CIRCULATION: None

FRACTURE ZONES: None reported

OIL ON PITS: 3440' black oil blobs over shaker

WATER FLOWS: 2450'

SAMPLES: 30-foot samples from under surface to 2300'; 10-foot samples
from 2300' to T.D. Dry cut samples sent to: Utah Geological
Survey, 606 Black Hawk Way, Research Park, Salt Lake City,
Utah 84108. Wet cut to: American Stratigraphic Co., 6280
East 39th Ave., Denver, Colorado 80207.

DRILL STEM TESTS: DST 1: 4076 - 4273 failed - leak in test tool
DST 1: rerun - failed - hole in drill collar
DST 2: 4840 - 4950 (Wasatch Tongue)

ELECTRIC LOGS: Schlumberger
Dual Induction - SFL
5442' to 330'
Compensated Neutron - formation density
5445' to 1992'

Engineer: Schreiber
(Evanston, Wy)

SAMPLE AND/OR PENETRATION RATE TOPS:

<u>Formation</u>	<u>Depth</u>	<u>Datum</u>
"I" zone	4096	+728
Wasatch Tongue	4786	+ 38
Green River Tongue	5186	-362
Wasatch	5334	-510

LOG TOPS:

<u>Formation</u>	<u>Depth</u>	<u>Datum</u>
X Marker	2372	+2452
I zone	4076	+ 748
J zone	4168	+ 656
K zone (upper)	4348	+ 476
K zone (lower)	4424	+ 400
Wasatch Tongue	4780	+ 44
Green River Tongue	5170	- 346
Wasatch	5340	- 516
TD	5448	- 624

MUD LOGGING UNIT: Brown Mud Logging
Rt. 1, Box 67
Roosevelt, Utah 84066
Tp 801-353-4237

Loggers: Carl Anderton
Mark McCoy
Brent McClure
Les Brown

CONTRACTOR: Carmack Rig No. 5
592 Twenty-Five Road
Grand Junction. CO 81501

Pusher: Chris Carmack

MUD: Davis
Roosevelt, Utah
Tp 722-3505
or 722-2183

Engineer: Alan Zobell

WELL-SITE DRILLING SUPERVISOR: Dennis Ivie (MAPCO)

MAPCO PRODUCTION COMPANY: Darwin Kulland (Tp 801/722-4521)
Roosevelt, Utah

Jim Benner/Jim Eckroth (Tp 406/248-7406)
Billings, MT.

WELL-SITE GEOLOGIST:

L.D. 'Vern' Hunter (Tp 406/656-5197)
2903 Parkhill Dr.
Billings, MT 59102
From 3290' to 5450'

Ken McMurrough (MAPCO)
From 3290' to 4273'

STATUS:

To complete as a Green River formation oil well
Ran 116 jts 5-1/2" K-55 15 $\frac{1}{2}$ " casing; set at 4650.91' with
250 sx class G poz., 10% salt; bump plug with 500 psi.

RIG RELEASED: October 18, 1980, 11:00 A.M.

CHRONOLOGICAL HISTORY

<u>DATE</u>	<u>PTD</u>	<u>ACTIVITY</u>	<u>FOOTAGE</u>
	6:00 a.m.		
Sept. 28, 1980	328	Drilling cement	-
29	509	Turn over BOP	179
30	1110	Drilling	601
Oct. 1, 1980	1812	Drilling	702
2	2340	Drilling	528
3	2844	Drilling	504
4	3290	Drilling	446
5	3760	Drilling	470
6	4035	Drilling	275
7	4273	Circ. for DST 1	238
8	4273	TIH for DST 1 (rerun)	0
9	4329	Drilling	56
10	4505	Drilling	176
11	4807	Drilling	302
12	4950	TIH for DST 2	143
13	5039	Drilling	89
14	5261	Drilling	222
15	5450	TOH for logs	189
16	5450	WOO	0
17	5450	WOC	0
	(PB 4651)		
18	4651	Rig Released	-

DEVIATIONS

<u>DATE</u>	<u>DEPTH</u>	<u>AMOUNT</u>
Sept. 28, 1980	328	1°
29	509	1°
30	1017	1°
Oct. 1, 1980	1511	1/4°
2	2002	3/4°
3	2505	1°
4	2970	1°
5	3470	1°
11	4578	2°

MUD CHECKS

<u>Date</u>	<u>Depth</u>	<u>Wt.</u>	<u>Vis.</u>	<u>Type</u>	<u>WL</u>	<u>Ph</u>	<u>Solids</u>	<u>LCM</u>
Sept. 28, 1980	328	-	-	Fresh Wtr	-	7.0	-	-
29	509	8.3	27	" "	-	12.0	-	-
30	1110	8.3	27	" "	-	11.0	-	-
Oct. 1, 1980	1812	8.3	27	" "	-	10.5	-	-
2	2340	8.3	27	" "	-	10.5	-	-
3	2844	8.3	27	" "	-	11.0	-	-
4	3290	8.3	29	" "	-	11.0	-	-
5	3560	8.3	27	" "	-	10.5	-	-
6	4035	8.7	32	Salt gel	13.8	10.0	-	-
7	4273	8.9	34	" "	8.8	10.5	-	-
8	4273	8.9	33	" "	16.2	11.0	3%	-
9	4329	8.9	30	Gel Water	19.2	11.0	-	-
10	4505	8.9	31	Salt gel	23	10.0	2%	-
11	4807	8.9	33	" "	8.2	10.5	3%	-
12	4950	9.1	32	" "	10.0	10.5	3%	-
13	5039	9.1	36	" "	10.2	10.5	3%	-
14	5261	9.0	34	" "	11.2	11.0	3%	-
15	5450	9.0	35	" "	10.2	11.0	3%	-
16	5450	9.0	35	" "	10.2	11.0	3%	-

BIT RECORDS

<u>No.</u>	<u>Size</u>	<u>Co.</u>	<u>Type</u>	<u>Out</u>	<u>Footage</u>	<u>Hours</u>	<u>Ave. Ft/Hr</u>
1	7-7/8"	HTC	OSC-1GJ	509	179	13	13.8
2	7-7/8"	Sec	S86F	2970	2461	88.75	27.7
3	7-7/8"	Sec	S86F	4273	1303	82	15.9
4	7-7/8"	Smith	V2H	4393	120	11.5	10.4
5 & RR	7-7/8"	HTC	J33	5450	1057	98	10.8

REPORT FOR SHOWS & DRILLING BREAKS

<u>DATE</u>	<u>SHOW &/or BREAK #'s MW in MW out</u>	<u>DEPTH</u>	<u>DRLG RATE BEFORE BREAK</u>	<u>DRLG RATE FOR BREAK</u>	<u>DRLG RATE AFTER BREAK</u>	<u>TOTAL GAS Before- During- After- Break</u>	<u>SAMPLE DESCRIPTION</u>
Sept 30, 1980	1 $\frac{8.3}{8.3}$	728-742	1	.5	1	0-50-20	SS, wht, vf, s. ang, friable, ti, NS.
30	2 $\frac{8.3}{8.3}$	862-890	1	.5	1	20-420-50	Sh, brn, <u>dull gold fl</u> , <u>wk cut</u> ; ls, tan, <u>gold</u> <u>fl</u> , <u>very slow wk cut</u>
30	3 $\frac{8.3}{8.3}$	976-996	1.5	.25	1	25-25-25	Ss, wht, vf-f, ang., NS
Oct 1, 1980	4 $\frac{8.3}{8.3}$	1216-1230	1.5	.5	1	50-350-100	Sh, dk brn, <u>dull gold</u> <u>fl</u> , <u>slow wk cut</u>
2	5 $\frac{8.3}{8.3}$	1882-1900	5	1.5	2.5	50-1200-50	Sh, lt to dk brn, firm silty, dol'c, <u>dull gold</u> <u>fl</u> , <u>fair to good</u> <u>streaming cut</u>
2	- -	2340	-	-	-	BG 100 Conn 200	
3	6 $\frac{8.3}{8.3}$	2442-2480	4	1	4	50-400-100	Ss, clr, vf-f, s.ang. friable, NS
3	7 $\frac{8.3}{8.3}$	2506-2530	2.5	1.5	3	200-500-300	Sh, lt brn-brn, <u>gold</u> <u>flor</u> , <u>fair cut</u>
3	8 $\frac{8.3}{8.3}$	2540-2558	3	1	4	300-500-300	Sh, brn, <u>gold flor</u> , <u>fair cut</u>
3	9 $\frac{8.3}{8.3}$	2574-2590	3.5	1	4	300-600-400	Ss, clr-wht, vf, friable, ti, NS
3	10 $\frac{8.3}{8.3}$	2696-2718	6	2	4.5	400-600-400	Sh, lt br-br-dk br, sdy, slty, frm, ti, dolom, <u>gold flor</u> , <u>fair</u> <u>cut</u> , calc
3	11 $\frac{8.3}{8.3}$	2720-2743	4.5	1	5	400-650-400	Sh, lt brn-br-dk br, sdy, slty, frm, ti, dolom, <u>gold flor</u> , <u>good</u> <u>str cut</u> , calc.
3	- -	2844	-	-	-	BG 700 Conn 740	

Report for Shows & Drilling Breaks
Page 2

DATE	SHOW &/or BREAK #'s MW in NW out	DEPTH	DRLG RATE BEFORE BREAK	DRLG RATE FOR BREAK	DRLG RATE AFTER BREAK	TOTAL GAS Before- During- After- Break	SAMPLE DESCRIPTION
Oct 4, 1980	- -	3290	-	-	-	BG 350 Conn 400 TG 400	
5	12 $\frac{8.3}{8.3}$	3682-3722	5	1	3	800-950-800	Ss, gry, wht, vf-f, sub- rd to sub-ang, calc, hd, ti
5	- -	3560	-	-	-	BG 800 Conn 1000	
6	- -	4035	-	-	-	BG 600 Conn 750	
6	13 $\frac{8.9}{8.9}$	4086-4092	5.5	2.5	5.5	350-800-350	Ss, wht, lt gry, vf-f, ang to s. ang., calc, ti, <u>dull gold</u> , <u>fl, wk cut</u>
7	14 $\frac{8.9}{8.9}$	4260-4266	7	2.5	5.5	300-450-350	Ss, wht, gry, vf-f, ang to s. ang., s&p, calc, ti, <u>tan oil stain</u> , <u>dull</u> <u>gold fl</u> , <u>slow stmg</u> , <u>lt</u> <u>yell cut</u> , <u>bluish yell</u> <u>cut fl</u> , <u>fnt ring</u>
7	- -	4273	-	-	-	BG 400 Conn 700	
9	- -	4329	-	-	-	BG 400 Conn 800 TG 800	
10	15 $\frac{9.0}{9.0}$	4356-4364	6.5	3	6	250-300-200	Sh, dk brn, <u>dull gold</u> <u>fl</u> , <u>fair yellow cut</u>
10	16 $\frac{9.0}{9.0}$	4466-4474	4.5	3	4.5	175-300-200	Ss, wht, vf-f, calc, ti, <u>med brn os</u> , <u>dull yell</u> <u>fl</u> , <u>fair to gd cut</u>
10	- -	4505	-	-	-	BG 150 Conn 300 TG 1300	

Report for Shows & Drilling Breaks
Page 3

DATE	SHOW &/or BREAK #'s MW in MW out	DEPTH	DRLG RATE BEFORE BREAK	DRLG RATE FOR BREAK	DRLG RATE AFTER BREAK	TOTAL GAS Before- During- After- Break	SAMPLE DESCRIPTION
Oct 11, 1980	17 $\frac{8.9}{8.9}$	4638-4646	4	2	4.5	160-250-100	Sh, med to dk brn, <u>tr</u> <u>dull gold fl</u> , <u>wk to</u> <u>fair cut</u>
11	18 $\frac{9.0}{9.0}$	4668-4686	6	2	5	100-300-150	Sh aa
11	19 $\frac{8.9}{8.9}$	4724-4770	5	2.5	5.5	200-350-200	Sh aa
11	- -	4807	-	-	-	BG 200 Conn 460	
12	20 $\frac{9.1}{9.1}$	4851-4856	7	2.5	5	150-740-250	Ss, wht, vf, frosted, clay-filled, ti, calc, <u>no fl</u> , <u>slow cut</u>
12	21 $\frac{9.1}{9.1}$	4864-4869	5	2	5	250-460-200	Ss, wht, vf-f, tr m, sub-ang, calc, ti to friable, <u>lt tan os brt</u> <u>yell fl</u> , <u>fair to good</u> <u>cut</u>
12	22 $\frac{9.1}{9.1}$	4939-4944	5	2	7	200-200-200	Coal
12	- -	4950	-	-	-	BG 150 Conn = brk #20	
13	- -	5039	-	-	-	BG 100-150 Conn 200 TG 1250	
14	- -	5261	-	-	-	BG 150 Conn 200	
15	- -	5450	-	-	-	BG 150 Conn 350	

9/28 10/1 10/5 10/10 10/15

BIT 1 (OSC-1GJ)

BIT 2 (S86F)

MAPCO, Federal No. 4-30B
NW $\frac{1}{4}$ NW $\frac{1}{4}$ 30-9S-19E
Uintah County, Utah

1000

2000

3000

4000

5000

6000

BIT 3 (S86F)

BIT 4 (V2H)

BIT 5 (J33)

DST 1 + RR

DST 2

TD 5450

46 0780

10 X 10 TO THE INCH • 7 X 10 INCHES
KEUFFEL & ESSER CO. MADE IN U.S.A.
K&E

DRILL STEM TESTS

(Field Results)

DST #1 and DST #1 (rerun): 4076 - 4273 ("I" thru "J+" zones)

	<u>Nit.</u>	<u>CI</u>	
DST 1	66	18,000	blk oil in sample chamber
Wtr flo	39	17,000	
Spl ch	88	24,000	

DATE: October 7 & 8, 1980

COMMENTS: DST #1 failed due to brass pin in Haliburton reverse sub having fallen out because of faulty fastening.

DST #1 (RR) failed due to hole in drill collar

WITNESSED: Hunter, Ivie, McMurrough

DRILL STEM TESTS

(Field Results)

DST #2 4840 - 4950 (Wasatch Tongue)

IF 15 min.
ISI 60 min.
FF 30 min.
FSI 90 min.

PIPE RECOVERY: 223' mud

SAMPLER RECOVERY:

3 psi
2100 cc mud

Recovery mud
Mud pit spl.

Res.
.3 @74°F
.32 @72°F

Chlorides
19,000 ppm
17,000 ppm

PRESSURES: (top chart)

IFP 40-42 psi
FFP 68-69 psi

ISIP 1824 psi
FSIP 1685 psi

IHP 2287 psi
FHP 2274 psi

BHT 88°F

DATE: October 12, 1980

COMMENTS: Positive test, tight formation

WITNESSED: Hunter, Ivie

SAMPLE DESCRIPTIONS

by Hunter & McMurrough*

Samples are lagged. Refer to following descriptions of significant breaks and gas shows. Detail drilling time (2-foot average) is available on the mud log by Brown Mud Logging.

<u>Break No. 1</u> 1-.5-1 mpf 0-50-20 units	728-742	Sandstone, white, very fine to fine, sub-angular to sub-round, tight, no shows.
<u>Break No. 2</u> 1-.5-1 mpf 20-420-50 units	862-890	Oil shale, medium brown, <u>dull gold fluorescence</u> , <u>pale yellow cut</u> ; trace limestone, tan, <u>show as above</u> .
<u>Break No. 3</u> 1.5-.25-1 mpf 25-25-25 units	976-996	Sandstone, white, very fine to fine, angular, no shows.
<u>Break No. 4</u> 1.5-.5-1 mpf 50-350-100 units	1216-1230	Oil shale, dark brown, <u>dull gold fluorescence</u> , <u>pale yellow cut</u> .
<u>Break No. 5</u> 5-1.5-2.5 mpf 50-1200-50 units	1882-1900	Oil shale, light to dark brown, <u>shows as above</u> .
<u>*Break No. 6</u> 4-1-4 mpf 50-400-100 units	2442-2480	<u>2430-42</u> shale, light to medium gray, blocky, silty, calcareous. <u>2442-50</u> sandstone, white to light gray, clear, very fine to fine, sub-angular to sub-round, calcareous, tight. <u>2450-70</u> sandstone as above with trace clear medium grained sandstone; shale as above with shale, light brown, blocky, calcareous. <u>2470-80</u> sandstone as above with trace medium gray shale as above.
<u>Break No. 7</u> 2.5-1.5-3 mpf 200-500-300 units	2506-2530	Oil shale, light to medium brown, <u>gold fluorescence</u> , <u>fair yellow cut</u> .
<u>Break No. 8</u> 3-1-4 mpf 300-500-300 units	2540-2558	Oil shale as above.
<u>Break No. 9</u> 3.5-1-4 mpf 300-600-400 units	2574-2590	Sandstone, white, very fine to fine, calcareous, tight, no shows.

Sample Descriptions
Page 2

*Break No. 10 6-2-4.5 mpf 400-600-400 units	2696-2718	<u>2680-96</u> shale, light gray, blocky, calcareous, silty. <u>2696-2718</u> shale as above.
*Break No. 11 4.5-1-5 mpf 400-650-400 units	2720-2743	<u>2718-43</u> shale, light brown, blocky, partly dolomitic, calcareous. <u>2743-50</u> shale, light to medium gray, blocky, calcareous, silty.
*Break No. 12 5-1-3 mpf 800-950-800 units	3682-3722	<u>3670-82</u> shale, light to medium gray, blocky, calcareous, silty. <u>3682-3700</u> sandstone, clear, fine to medium, sub-angular to sub-round, calcareous, trace ostracods, tight, no visible stain; trace dark gray silty shale increasing with depth. <u>3700-22</u> sandstone, clear, fine, angular to sub-angular, calcareous, tight; shale, light to medium gray, silty; trace ostracodal limestone. <u>3722-30</u> shale as above; shale, light brown, blocky, partly dolomitic, calcareous.
Break No. 13 5.5-2.5-5.5 mpf 350-800-350 units	4086-4092	Sandstone, white to light gray, very fine to fine, angular to sub-angular, calcareous, tight, <u>dull gold fluorescence</u> , <u>weak</u> , <u>yellow cut</u> .
Break No. 14 7-2.5-5.5 mpf 300-450-350 units	4260-4266	Sandstone, white to light gray, angular to sub-angular, salt and pepper, calcareous, tight, <u>tan oil stain</u> , <u>dull gold fluorescence</u> , <u>slow streaming light yellow cut</u> , <u>bluish yellow cut fluorescence</u> , <u>faint ring</u> .
Break No. 15 6.5-3-6 250-300-200 units	4356-4364	Oil shale, dark brown, <u>dull gold fluorescence</u> , <u>fair yellow cut</u> .
Break No. 16 4.5-3-4.5 mpf 175-300-200 units	4466-4474	Sandstone, white, very fine to fine, calcareous, tight,, <u>medium brown oil stain</u> , <u>dull yellow fluorescence</u> , <u>fair streaming cut</u> , <u>yellow cut fluorescence</u> , <u>medium brown ring</u> .
Break No. 17 4-2-4.5 mpf 160-250-100 units	4638-4646	Oil shale, medium to dark brown, <u>trace dull gold fluorescence</u> , <u>weak to fair cut</u> .

Sample Descriptions
Page 3

<u>Break No. 18</u> 6-2-5 mpf 100-300-150 units	4668-4686	Oil shale as above.
<u>Break No. 19</u> 5-2.5-5.5 mpf 200-350-200 units	4724-4770	Oil shale as above.
<u>Break No. 20</u> 7-2.5-5 mpf 150-740-250 units	4851-4856	Sandstone, white, very fine, clay-filled, calcareous, tight, <u>light tan oil stain</u> , <u>bright yellow fluorescence</u> , <u>fair stream cut</u> , <u>yellow cut fluorescence</u> , <u>light brown ring</u> .
<u>Break No. 21</u> 5-2-5 mpf 250-460-200 units	4864-4869	Sandstone as above.
<u>Break No. 22</u> 5-2-7 mpf 200-200-200 units	4939-4944	Coal, medium brown, dirty, lignitic.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
(FORM 9-329)
(2/76)
OMB 42-RO 356

MONTHLY REPORT
OF
OPERATIONS

Lease No. U-3721
Communitization Agreement No. NA
Field Name NA
Unit Name RIVER BEND UNIT
Participating Area NA
County UINTAH State UTAH
Operator MAPCO PRODUCTION COMPANY
☐ Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of November, 19 80

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
4-30B	30 NWNW	9S	19E	DRL					
	11-4-80	Fraced well with Job sanded off.			12000#	10-20 sand and 9660 gals foamed diesel			
	11-13-80	Perfed 4293-4296, 4266-4273 2spf.							
	11-15-80	Broke down perfs with 2000 gal 15% HCl							
	11-16-80	Fraced perfs 4293-96, 4266-73, with 20/40 frac sand				10000 gals foamed diesel - 13500#			
	11-30-80	Swabbed well.							

*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLS)	Gas (MCF)	Water (BBLS)
*On hand, Start of Month		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Produced			
*Sold			XXXXXXXXXXXXXXXXXX
*Spilled or Lost		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXX		XXXXXXXXXXXXXXXXXX
*Used on Lease			XXXXXXXXXXXXXXXXXX
*Injected			
*Surface Pits	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	
*Other (Identify)			
*On hand, End of Month		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content			XXXXXXXXXXXXXXXXXX

Authorized Signature: Richard Bauman Address: 1643 Lewis Ave., Billings, MT 59102
Title: Engineering Technician Page of

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

(FORM 9-329)

(2/76)

OMB 42-RO 356

MONTHLY REPORT
OF
OPERATIONS

Lease No. U - 37246
Communitization Agreement No. _____
Field Name NA
Unit Name NA
Participating Area NA
County Uintah State Utah
Operator MAPCO Production Company

☐ Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of Dec., 19 80

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
Fed 6-30B	SENW Sec 30	9S	19E	DRG	--	---	---	---	
	12-04-80			Spudded well.					Set 393' 8 5/8" 32# csg. Cement w315 sx.
	12-19-80			TD reached @ 5075'.					Logged well.
	12-20-80			Set 5 1/2" 15.5# csg @ 5042' cmt with 780 sx and released rig.					

COPY

*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLS)	Gas (MCF)	Water (BBLS)
*On hand, Start of Month		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Produced			
*Sold			XXXXXXXXXXXXXXXXXX
*Spilled or Lost		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXX		XXXXXXXXXXXXXXXXXX
*Used on Lease			XXXXXXXXXXXXXXXXXX
*Injected			
*Surface Pits	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	
*Other (Identify)			
*On hand, End of Month		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content			XXXXXXXXXXXXXXXXXX

Authorized Signature: Richard Bauman Address: 1643 Lewis Avenue, Billings, MT 59102
Title: Engineering Technician Page _____ of _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYForm Approved.
Budget Bureau No. 42-R1424

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☒ gas well ☐ other ☐

2. NAME OF OPERATOR MAPCO PRODUCTION COMPANY
Alpine Executive Center

3. ADDRESS OF OPERATOR 1643 Lewis Ave., Suite 202
Billings, MT 59102

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 501' FWL & 810' FNL
AT TOP PROD. INTERVAL: Same
AT TOTAL DEPTH: Same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>

(other) Proposed Production Facilities

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

PLEASE SEE ATTACHED COPY OF THE PROPOSED PRODUCTION
FACILITIES FOR THE FEDERAL 4-30B.APPROVED BY THE DIVISION
OF OIL, GAS, AND MININGDATE: 1-22-81BY: M. S. Minder

Subsurface Safety Valve: Manu. and Type _____

18. I hereby certify that the foregoing is true and correct

SIGNED Richard Baumann
Richard BaumannTITLE Engineering Tech.DATE 1-19-81

(This space for Federal or State office use)

APPROVED BY _____

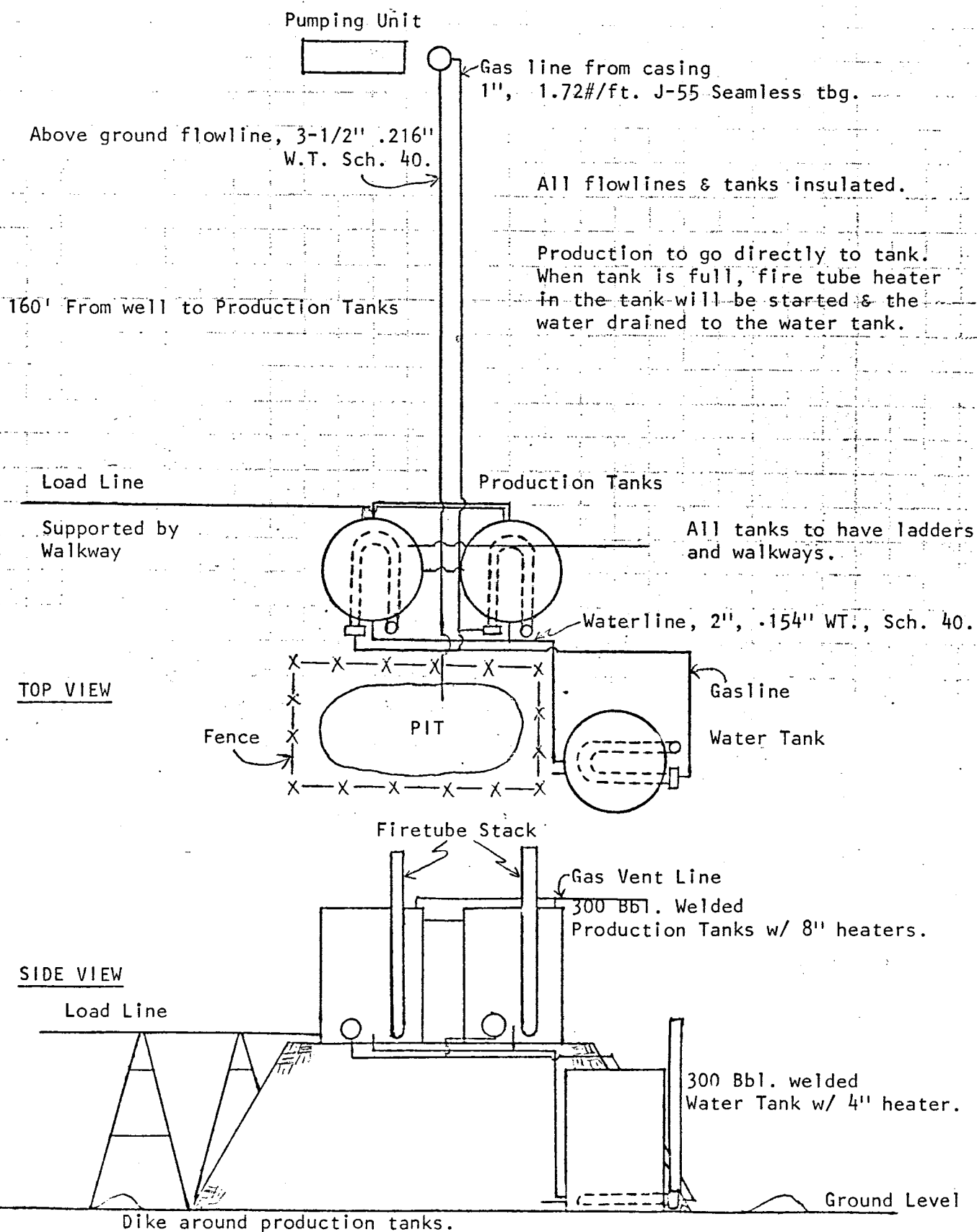
TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY: _____

5. LEASE U-37246-A	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME	8. FARM OR LEASE NAME
9. WELL NO. Federal 4-30B	10. FIELD OR WILDCAT NAME Wildcat
11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA Sec. 30, T9S, R19E	12. COUNTY OR PARISH Uintah
13. STATE Utah	14. API NO. 43-047-30717
15. ELEVATIONS (SHOW DF, KDB, AND WD) 4815' G.L.	

(NOTE: Report results of multiple completion or zone change on Form 9-330.)



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

4

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other _____

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____

2. NAME OF OPERATOR

MAPCO Production Company

3. ADDRESS OF OPERATOR

1643 Lewis Ave., Ste. 202, Billings, MT 59102

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 501' FWL & 810' FNL, NW NW, Sec. 30, T9S, R19E

At top prod. interval reported below Same

At total depth Same

14. PERMIT NO.

43-047-30717

DATE ISSUED

6-6-80

15. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.)* 18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 19. ELEV. CASINGHEAD

8-28-80

10-15-80

1-15-81

5450' G1

20. TOTAL DEPTH, MD & TVD 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 25. WAS DIRECTIONAL SURVEY MADE

5450'

3

Surface to 5450'

Green River I zone 4084-4096 Green River K zone 4351-4363
Green River J zone 4266-4296 Lwr Gr River K zone 4461-4467

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

DLI FDC-CNL-GR

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	330'	12-1/4	215 sacks	
5-1/2"	15.5#	4650.91	7-7/8	250 sacks	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	4155'	Tbg anchor 4155

APR 2 1981

31. PERFORATION RECORD (Interval, size and number)

See Attachment

DIVISION OF
OIL, GAS & MINING

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.* PRODUCTION

DATE FIRST PRODUCTION 10-30-80 Swab PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Well on pump 1-15-81 WELL STATUS (Producing or shut-in) Producing

DATE OF TEST 3-2-81 HOURS TESTED 48 CHOKE SIZE PROD'N. FOR TEST PERIOD OIL—BBL. 22 GAS—MCF. TSTM WATER—BBL. 56 GAS-OIL RATIO -

FLOW. TUBING PRESS. CASING PRESSURE CALCULATED 24-HOUR RATE OIL—BBL. 11 GAS—MCF. TSTM WATER—BBL. 28 OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Used on lease

TEST WITNESSED BY

Darwin Kulland

35. LIST OF ATTACHMENTS

Perforation and Treatment

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Richard Baumann

TITLE

Engr. Tech.

DATE

3-31-81

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Green River		
X marker	2372	+2452
I zone	4076	+ 748
J zone	4168	+ 656
K zone (upper)	4348	+ 476
K zone (lower)	4424	+ 400
Wasatch Tongue	4780	+ 44
Gr River Tongue	5170	- 346
Wasatch	5340	- 516

MAPCO Production Company
Completion Report
Attachment
Federal 4-30B

PERFORATION RECORD

Interval and Depth	No.	Acid, Shot, Fracture, Cement Squeeze Amount and Kind of Material Used
Green River K zone 4461-4467 10-27-80	2 spf	Acidized w/1500 gal 15% HCl Frac'd w/ 3970 gal foamed diesel 12,000# 20/40 sand
Green River J zone 4293-4296 4266-4273 11-21-80	2 spf	2,000 gal 15% HCl 10,000 gal foamed diesel 13,250# 20/40 sand
Green River K zone 4351-4363 12-6-80	2 spf	No Breakdown
Green River I zone 4084-4096 12-22-80		No Breakdown

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ well gas ☐ well other ☐
2. NAME OF OPERATOR
MAPCO Production Co.
3. ADDRESS OF OPERATOR
1643 Lewis Ave., Ste. 202, Billings, MT 59102
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 501' FWL & 810' FNL
AT TOP PROD. INTERVAL: Same
AT TOTAL DEPTH: Same
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

- TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☒
(other) ☐

SUBSEQUENT REPORT OF:

- ☐
☐
☐
☐
☐
☐
☐
☐
☐

5. LEASE
U-37246-A
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
9. WELL NO.
Federal 4-30B
10. FIELD OR WILDCAT NAME
Wildcat
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 30, T9S, R19E
12. COUNTY OR PARISH
Uintah
13. STATE
Utah
14. API NO.
43-047-30717
15. ELEVATIONS (SHOW DF, KDB, AND WD)
4815' G.L.

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

MAPCO intends to P&A the Fed 4-30B. Verbal approval to do so was granted by Assad Raffoul 12-11-81. Currently there is 8-5/8" csg from surface to 330', 5 1/2" csg to 4650'. Procedure: RIH and cut 5 1/2" csg at $\pm 3500'$, POOH w/same. Set cement plugs at the following depths:

Formation	Plug Interval
Surface	10 sx
Btm of surf casing	230-430'
	1200-1500'
Mahogany	2200-2500'
Top of 5 1/2"	3400-3600'
Gr. River I zone	3750-3950'
Wasatch	4600-4800'

Set 9# mud between plugs, install dry hole marker.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED R. E. Baumann TITLE Engr. Tech. DATE 12-29-81
R. E. Baumann

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 12/31/81
BY: UB-fergus

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☒ gas well ☐ other ☐
2. NAME OF OPERATOR
MAPCO Production Co.
3. ADDRESS OF OPERATOR
1643 Lewis Ave., Ste. 202, Billings, Mt 59102
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 501' FWL & 810' FNL
AT TOP PROD. INTERVAL: Same
AT TOTAL DEPTH: Same
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) ☐

SUBSEQUENT REPORT OF:

☐
☐
☐
☐
☐
☐
☐
☒

5. LEASE
U-37246-A
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
9. WELL NO.
Federal 4-30B
10. FIELD OR WILDCAT NAME
Wildcat
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 30, T9S, R19E
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13. STATE
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14. API NO.
43-047-30717
15. ELEVATIONS (SHOW DF, KDB, AND WD)
4815' G.L.

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

MAPCO P&A'd the Fed. 4-30B as follows:

Formation	Plug Interval
Surface	10 sx
Btm of surface csg	230-430'
	9# mud
Mahogany Zone	2211-2511'
	9# mud
Top of 5½" casing	3352-3552'
Green River I zone	4000-4100'
Green River K zone	4225-4482'
Installed dry hole marker	

RECEIVED

DEC 31 1981

DIVISION OF
OIL, GAS & MINING

Subsurface Safety Valve: Manu. and Type _____

18. I hereby certify that the foregoing is true and correct

SIGNED R. E. Baumann TITLE Engr. Tech. DATE 12-29-81
R. E. Baumann

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

Field No.

TC TM Nut
PC PM BOD

Pest.

Rad.

Bact.

Spec.

Date Recd.:

Received By:

UTAH STATE DEPARTMENT OF HEALTH

ENVIRONMENTAL HEALTH

WATER ANALYSES

Sample No. 701

Storet No.	Water Syst. No.	Source No.	Sample Source	County	Current use	Proposed use
702	703	704	719	611	708	709
Date Collected	Time Collected	Water Rights No.	01 Spring	01 Beaver	1. Culinary	
714	715	716	02 Well	02 Box Elder	2. Agriculture	
717	718	719	03 Stream	03 Cache	3. Industrial	
720	721	722	04 Lake	04 Carbon	4. Other	
723	724	725	05 Dist. syst.	05 Daggett		
726	727	728	06 Effluent	06 Davis		
729	730	731	07 Storm	07 Duchesne		
732	733	734	08 sewer	08 Emery		
735	736	737	14 Other	09 Garfield		
738	739	740	15 Tunnel	10 Grand		
741	742	743	16 Artesian	11 Iron		
744	745	746	17 well	12 Juab		
747	748	749	18 Swimming	13 Kane		
750	751	752	19 pool	14 Millard		
753	754	755		15 Morgan		
756	757	758				
759	760	761				
762	763	764				
765	766	767				
768	769	770				
771	772	773				
774	775	776				
777	778	779				
780	781	782				
783	784	785				
786	787	788				
789	790	791				
792	793	794				
795	796	797				
798	799	800				

2	Temperature (°C)	650	pH	782	WASTEWATER ANALYSIS	BACT. LAB. No.
	B.O.D. ₅	794	T.O.C.	671	M.P.N. Total Coliforms/100ml	658
	Tot. Sus. Solids	787	C.O.D.	777	M.P.N. Fecal Coliforms/100ml	657
	NO ₂ +NO ₃ ,N	602	Cyanide	775	Fecal Strep C/100ml.	656
	T.K.N.	778	Phenolics	783	M.F. Total Coliforms/100ml.	654
	Oil & Grease	780	Sulfide	672	M.F. Fecal Coliforms/100ml.	655
					Plate Count-Org./ml.	599

3	Filtered	Unfiltered	4	CHEMICAL ANALYSIS	pH, units		
me/l	CATIONS	mg/l	ug/l (ppb)	me/l	ANIONS	mg/l	TOTAL METALS ANALYSIS
	Ammonia as N	722			Bicarbonate	758	5 CATIONS
	Arsenic	723			Carbon Dioxide	759	Aluminum
	Barium	724			Carbonate	760	Arsenic
	Boron	725			Chloride	763	Barium
	Cadmium	727			CO ₃ Solids		Beryllium
	Calcium	728			Fluoride	765	Cadmium
	Chromium	729			Hydroxide	767	Chromium
	Chromium, Hex. as Cr	730			Nitrate as N	605	Cobalt
	Copper	732			Nitrite as N	606	Copper
	Iron, dissolved	733			Phosphorus, Ortho as P	607	Gold
	Lead	734			Silica, dissolved as SiO ₂	750	Iron
	Magnesium	737			Sulfate	772	Lead
	Manganese	738					Manganese
	Nickel	740					Mercury
	Potassium	742					Molybdenum
	Selenium	743					Nickel
	Silver	744					Selenium
	Sodium	745					Silver
	Zinc	749					Uranium
	TOTAL CATIONS						Vanadium
							Zinc
6	Sp. Cond. μ mhos/cm.	762					
	TDS @ 180°C	786					

7	RADIOLOGICS	INTERPRETATION OF ANALYSES:	Based on State Standards, this sample was:
	Alpha, gross	Remarks:	
	Beta, gross		
	Tritium, ³ H		
	226 Radium		
	228 Radium		
	89Sr		
	131I		
	134Cs		
	137Cs		
	621		
	623		
	625		
	627		
	629		
	631		
	633		
	635		
	637		
	639		
Approved By:	Date:	By:	
		ENVIRONMENTAL HEALTH	